CRPL-F 240 PART A

FOR OFFICIAL USE

PART A

IONOSPHERIC DATA

ISSUED
AUGUST 1964

U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS
CENTRAL RADIO PROPAGATION LABORATORY
BOULDER, COLORADO

CRPL-F 240
PART A

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CENTRAL RADIO PROPAGATION LABORATORY
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Issued
31 Aug. 1964

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CONTENTS

IONOSPHERIC DATA

The CRPL-F series bulletins are issued as part of the responsibility of the Central Radio Propagation Laboratory for the exchange and distribution of ionospheric and related geophysical data. Part A, "Ionospheric Data," and Part B, "Solar-Geophysical Data," of the CRPL-F series present a variety of data in convenient form for use in research in radio propagation and the ionosphere and in other geophysical problems.

The current form of the tables of ionospheric data provides the monthly medians and, in addition, the number of values entering into the median determination (count) for all ionospheric characteristics listed. Also, when available, the upper and lower quartile values indicated by UQ and LQ in the tables, are listed for foF2, h'F2, h'F, and M(3000)F2. Quartile values are not listed for the other characteristics because of space limitations. The tables are prepared by IBM machine methods.

Beginning with CRPL-F221, Part A, "Ionospheric Data," the hourly median values for the graphs of critical frequencies and M(3000)F2 were plotted by machine methods instead of manually, as in earlier issues. Graphs of critical frequencies and M(3000)F2 will continue to appear. Graphs of percentage of time of occurrence for fEs and virtual heights of the regular ionospheric layers are no longer included. Data on percentage of time of occurrence of fEs above 3, 5, and 7 Mc are available from the CRPL and the IGY World Data Center for Airglow and Ionosphere.

For many years, the tables of ionospheric data appearing in the F series, Part A, listed values of medians recomputed at CRPL. While this practice enforced a certain uniformity, it was subject to some valid criticism for tampering with the original data. The tables and graphs now show the ionospheric data as they are provided by the originating laboratory. Responsibility for the accuracy and reliability of the data rests entirely with the originator.

Medians of data for the U.S. stations are computed in accordance with the recommendations of the World-Wide Soundings Committee. Data will appear in the F series, Part A, only when the complete daily-hourly tabulations have been received by the CRPL or the IGY World Data Center A for Airglow and Ionosphere.

Information on symbols, terminology, and conventions may be found in the "URSI Handbook of Ionogram Interpretation and Reduction, of the World-Wide Soundings Committee," edited by W. R. Piggott and K. Rawer (Elsevir, 1961), which supersedes previous documents. A list of symbols is available from CRPL on request.

The following table contains the latest available information on smoothed observed Zurich sunspot numbers, beginning with the minimum of April 1954. Final numbers are listed through June 1963, the succeeding values being based on provisional data.

Smoothed Observed Zurich Sunspot Number

Month	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
1954				3	4	4	5	7	8	8	10	12
1955	14	16	19	23	29	35	40	46	55	64	73	81
1956	89	98	109	119	127	137	146	150	151	156	160	164
1957	170	172	174	181	186	188	191	194	197	200	201	200
1958	199	201	201	197	191	187	185	185	184	182	181	180
1959	179	177	174	169	165	161	156	151	146	141	137	132
1960	129	125	122	120	117	114	109	102	98	93	88	84
1961	80	75	69	64	60	56	53	52	52	51	50	49
1962	45	42	40	39	39	38	37	35	33	31	30	30
1963	29	30	30	29	29	28	28	27	27	26	23	21
1964	19											

Units of Ionospheric Data Tables

foF2, foEs - - - Tenths of a megacycle
foF1, foE - - - Hundredths of a megacycle
h'F2, h'F, h'E - Kilometers
M(3000)F2 - - - Hundredths

NOTE: Occasionally, when the median falls between two of the observed values, the median is carried an extra decimal place beyond these units. Those cases are easily identifiable by the extra digit appearing to the right of the number, in a column usually left blank.

MED - Median
CNT - Count
UQ - Upper Quartile
LQ - Lower Quartile

WORLD-WIDE SOURCES OF IONOSPHERIC DATA

THE IONOSPHERIC DATA GIVEN IN TABLES 1 TO 100 AND FIGURES 1 TO 100 WERE ASSEMBLED BY THE CENTRAL RADIO PROPAGATION LABORATORY FOR ANALYSIS, CORRELATION AND DISTRIBUTION. THE FOLLOWING ARE THE SOURCES OF THE DATA IN THIS ISSUE.

COMMONWEALTH OF AUSTRALIA, DEPARTMENT OF THE INTERIOR.
COCOS IS.

COMMONWEALTH OF AUSTRALIA, IONOSPHERIC PREDICTION SERVICE OF THE COMMONWEALTH OBSERVATORY.
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REYKJAVIK, ICELAND

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GENOVA (MONTE CAPELLINO), ITALY

CHRISTCHURCH GEOPHYSICAL OBSERVATORY, NEW ZEALAND DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH.
RAROTONGA, COOK IS.

MANILA OBSERVATORY, PHILIPPINES.
BAGUIO, LUZON

UNITED STATES ARMY SIGNAL CORPS., UNITED STATES OF AMERICA.
ADAK, ALASKA
FT. MONMOUTH, NEW JERSEY
GRAND BAHAMA I.
OKINAWA I.
THULE, GREENLAND

NATIONAL BUREAU OF STANDARDS, UNITED STATES OF AMERICA. (CENTRAL RADIO PROPAGATION LABORATORY).
ANCHORAGE, ALASKA
BARROW, ALASKA
BOULDER, COLORADO
COLLEGE (FAIRBANKS), ALASKA (GEOPHY INST OF UNIV OF ALASKA)
FT. BELVOIR, VIRGINIA
HUANCAYO, PERU (INSTITUTO GEOFISICO DEL PERU)
MAUI, HAWAII
TALARA, PERU (INSTITUTO GEOFISICO DEL PERU)

TABLES OF IONOSPHERIC DATA

February 1964 - January 1963

TABLE 1

BOULDER, COLORADO (40.0N, 105.3W) TIME 105.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	27	28	28	29	30	29	27	37	45	50	51	58	62	62	60	58	55	50	41	31	26	24	U 24	25
	CNT	27	27	28	28	28	27	27	29	29	29	29	28	29	29	29	29	29	29	29	29	29	29	28	28
	UQ	29	30	32	32	32	32	30	40	50	52	55	59	66	67	66	62	58	55	46	34	28	26	27	27
	LQ	24	25	26	28	28	28	25	32	42	46	48	54	56	57	56	54	52	47	37	26	24	22	22	24
h'F2	MED											318	300	270	276	268	250	228							
	CNT									2	4	12	25	26	26	27	18	6							
	UQ											350	333	303	297	281	262	239							
	LQ											284	272	260	261	249	238	220							
h'F	MED	E			E	E	E	E														E	E	E	E
	CNT	260	251	252	243	250	243	240	223	211	200	195	200	203	200	202	203	207	215	210	227	240	251	261	251
	UQ	270	268	269	250	256	250	253	238	222	218	209	211	218	205	207	210	219	227	216	239	252	270	271	270
	LQ	242	240	240	234	230	230	230	218	202	185	183	180	194	190	191	196	200	210	204	213	222	240	249	248
M(3000)F2	MED	310	310	310	318	320	320	320	340	350	350	320	328	335	330	340	340	350	350	345	330	330	330	U 320	310
	CNT	25	24	25	20	23	22	25	28	29	29	29	29	29	29	29	29	29	29	29	27	25	25	25	25
	UQ	320	320	320	320	330	335	330	350	360	360	335	335	340	340	345	350	360	358	352	350	345	340	320	322
	LQ	300	300	300	310	310	310	310	322	340	330	308	310	310	308	328	330	340	340	330	325	322	310	308	305
foF1	MED													410											
	CNT											3	3	5	3	1	1								
foE	MED									200	240	265	280	292	290	280	262	225	180						
	CNT								1	17	21	22	25	26	27	27	24	22	11						
h'E	MED									112	105	103	102	105	105	105	107	110	E 122						
	CNT								1	24	28	29	28	28	29	29	29	28	12						
foEs	MED	27	28	30	30	34	30	37	32	22	25	27	30	30	29	28	27	23	19	36	28	28	28	30	28
	CNT	9	11	11	12	8	11	13	21	29	29	28	28	29	29	29	29	28	24	10	12	8	10	10	9

SWEEP 0.25 MC TO 20.0 MC IN 27 SECONDS. FEBRUARY, 1964

When a "less than" sign occurs on the graph of foE or foEs and a qualifying E is not found in the table, the corresponding descriptive E (which at times means "less than") was not printed in the table.

TABLE 2

FT. BELVOIR, VIRGINIA (38.7N, 77.1W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	28	28	27	U 27	29	27	24	35	46	51	54	57	61	62	58	58	57	53	46	38	33	27	26	26
	CNT	25	28	27	27	27	26	27	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	28	28
	UQ	32	32	31	32	32	30	27	37	49	53	56	62	64	64	64	64	60	56	50	42	38	32	28	31
	LQ	24	26	25	26	25	24	22	30	44	48	52	54	58	58	56	55	56	50	42	34	28	26	24	25
h'F2	MED									230	248	272	285	280	275	275	260	250	230						
	CNT									11	18	24	25	29	29	29	27	27	14						
	UQ									240	265	295	295	292	282	288	275	255	245						
	LQ									230	235	250	260	260	265	265	255	240	225						
h'F	MED	E	U	U	U	E	E														U	U	U		E
	CNT	265	250	260	250	260	240	250	230	215	205	200	200	200	200	205	205	215	220	220	230	235	250	260	265
	UQ	278	270	270	260	270	248	285	240	225	210	212	210	215	210	210	212	225	230	230	238	250	270	282	272
	LQ	255	250	250	250	240	230	240	225	200	190	190	185	190	180	200	200	208	210	210	222	230	250	256	258
M(3000)F2	MED	310	310	310	U 310	310	325	320	340	360	350	340	320	335	330	330	335	340	345	330	320	320	310	310	310
	CNT	26	26	27	27	27	26	25	29	29	29	29	29	29	29	29	29	29	29	29	29	28	27	28	28
	UQ	312	315	315	315	320	335	322	350	365	360	360	338	345	340	340	340	350	360	340	330	330	320	320	312
	LQ	300	300	300	300	310	315	305	330	350	332	330	322	325	325	320	330	338	338	330	315	310	300	300	300
foF1	MED											390	410	410	420	405									
	CNT											8	11	17	15	8	2								
foE	MED									U 202	245	270	290	300	300	290	270	240	U 190						
	CNT								1	26	22	21	25	24	28	28	23	23	23	1					
h'E	MED									119	109	105	105	105	109	109	111	111	119						
	CNT								1	24	28	29	29	29	29	29	27	26	18	1					
foEs	MED	24	26	29	22	27	27	28	24	21	25	30	31	31	30	29	28	25	19	18	24	26	23	22	23
	CNT	10	10	11	12	11	10	11	20	28	29	29	29	29	29	29	29	29	29	12	7	12	7	9	9

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. FEBRUARY, 1964

TABLE 3

REYKJAVIK, ICELAND (64.1N, 21.8W) TIME 15.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED			U 22	U 20	U 19	U 17	U 16	D 13	U 14	24	35	42	46	47	44	40	U 36	U 30	U 24					D 20
	CNT	3	3	6	9	10	8	5	6	10	20	25	27	28	30	29	22	20	15	11	4		3	4	6
	UQ			22	22	20	19	18	16	15	28	38	46	48	52	48	45	41	34	26					22
	LQ			21	19	17	17	15		13	22	33	39	44	46	42	38	32	24	22					18
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED			310	E 340	E 325	E 315	290	290	E 292	235	225	230	220	220	230	220	230	245	E 272				E 320	E 350
	CNT	4	4	5	9	10	6	5	6	10	20	26	27	27	29	30	25	24	18	14	3		2	5	6
	UQ			338	365	350	340	320	240	300	250	240	240	240	230	240	238	245	260	300				355	360
	LQ			290	330	320	300	260		290	225	220	220	210	212	220	220	220	230	260				315	330
M(3000)F2	MED	1	2	3	4	4	1	1	1	318	332	350	350	360	360	350	350	U 335	U 330	325					
	CNT									8	16	23	26	25	27	27	19	18	7	6				2	1
	UQ									322	340	360	360	368	365	360	360	355	350	350					
	LQ									312	322	345	340	340	350	335	340	330	310	310					
foF1	MED																								
	CNT																								
foE	MED											D 130	U 180		U 200										
	CNT										4	5	5	2	5	3	1	2							
h'E	MED												125												
	CNT										3	4	5	1	3	1	2	2							
foEs	MED	44	43	40	34	34	25	32	21	12	15	17	18	20	20	20	20	18	32	30	36	36	36	43	35
	CNT	24	23	24	22	14	11	10	8	15	12	15	16	15	15	16	19	12	10	13	14	19	24	19	22

SWEEP 1.0 MC TO 25.0 MC IN 16.2 SECONDS. JANUARY, 1964

TABLE 4

NARSSARSSUAQ, GREENLAND (61.2N, 45.4W) TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED					U 22			U 19	U 21	33	42	45	50	49	47	U 44	U 42	33	U 27	U 22	U 26			
	CNT	2	1	2	2	5	4	4	5	15	27	29	31	31	28	28	24	18	14	12	6	10	4	4	4
	UQ					27			27	22	35	44	50	53	52	48	48	45	35	32	23	30			
	LQ					18			16	19	31	38	42	46	46	43	40	32	29	24	20	21			
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								4
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	44	41	42	39	37	36	34	30	28	18	21	20	20	22	22	16	20	26	30	32	36	42	37	42
	CNT	26	29	29	27	26	26	26	18	13	17	14	15	15	18	21	27	23	23	27	30	29	31	28	27

SWEEP 1.0 MC TO 25.0 MC IN 16.2 SECONDS. JANUARY, 1964

TABLE 5

ANCHORAGE, ALASKA (61.2N, 149.9W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 12	U 11	U 10	U 20	U 19	U 19	U 15	U 14	U 19	U 32	41	45	49	50	48	41	36	29	U 20	U 14	U 12	U 12	U 12	U 11
	CNT	10	12	7	8	5	6	6	12	23	27	27	28	27	27	30	29	30	30	24	15	9	10	8	11
	UQ	14	12	23	22	20	21	20	18	22	35	45	48	52	52	51	44	38	33	25	16	14	12	18	13
	LQ	10	11	10	15	13	18	11	10	17	30	38	42	42	46	44	38	34	26	17	12	11	11	11	11
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	U 330	U 315	315	310				U 310	U 310	350	355	358	350	355	368	360	350	358	U 350	345	320	315		U 325
	CNT	7	9	5	5	1	3	4	10	15	24	27	28	25	27	30	29	28	26	21	10	6	5	3	7
	UQ	335	322	325	345				320	325	355	370	365	360	365	370	375	355	365	368	350	330	338		335
	LQ	310	295	310	292				300	290	335	350	340	340	345	360	350	340	330	335	330	290	305		305
foF1	MED																								
	CNT																								
foE	MED										160	180	U 192	U 210	200	U 190	170								
	CNT								1	4	6	15	12	11	7	9	6	2							
h'E	MED										108	110	E 118	E 120	E 126	115	E 124								
	CNT			1				1	1	4	12	10	12	11	8	11	8	3							
foEs	MED	19	22	24	20	18	22	19	16	14	17	18	20	22	20	20	17	14	18	13	20	14	14	25	19
	CNT	16	16	15	18	18	15	14	14	14	25	23	17	15	15	20	19	10	8	10	6	7	12	12	13

SWEEP 0.25 MC TO 20.0 MC IN 27 SECONDS. JANUARY, 1964

TABLE 6

ADAK, ALASKA (51.9N, 176.6W) TIME 180.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	24	25	25	26	25	25	24	22	40	50	52	53	55	53	55	45	40	33	24	20	20	21	24	24
	CNT	27	29	27	29	29	29	30	28	31	31	30	30	31	31	31	31	31	31	29	29	27	26	27	28
	UQ	29	30	28	30	30	30	31	26	42	52	55	57	58	57	58	50	42	34	28	23	21	23	26	28
	LQ	23	24	23	24	23	23	23	20	38	45	50	50	50	51	51	43	37	30	21	18	18	19	20	21
h'F2	MED										223	222	230	225	222	223	215								
	CNT										9	10	19	24	18	17	10								
	UQ										242	230	240	235	240	229	225								
	LQ										218	214	220	220	217	217	207								
h'F	MED	E 264	E 255	E 260	268	250	242	230	E 230	215	220	215	220	205	215	222	213	210	215	E 230	E 240	E 232	E 267	E 263	260
	CNT	31	31	30	31	31	30	30	28	31	31	30	30	31	31	31	31	31	31	29	29	26	29	29	31
	UQ	285	275	267	278	280	265	253	248	235	230	228	225	218	222	228	217	217	225	244	258	246	298	280	280
	LQ	240	240	253	253	240	226	215	215	205	211	200	210	200	190	213	206	200	208	210	226	220	248	245	245
M(3000)F2	MED	320	330	315	312	320	325	340	330	365	370	365	370	370	370	370	375	360	340	350	350	340	320	322	320
	CNT	24	28	23	26	27	29	30	28	29	31	30	30	31	31	31	31	31	31	29	27	24	26	24	26
	UQ	320	338	320	320	340	340	350	350	370	375	380	380	380	380	380	385	375	360	360	360	350	320	330	330
	LQ	310	315	300	300	310	310	330	320	350	360	350	355	360	350	360	370	350	330	335	330	322	300	308	310
foF1	MED											1		1											
	CNT																								
foE	MED									U 170	U 200	220	230	235	230	220	190	U 170							
	CNT								1	7	8	15	20	21	19	19	11	7	1						
h'E	MED									118	E 120	E 120	E 120	E 120	120	121	125	128							
	CNT								1	12	19	17	21	23	23	20	14	6	2						
foEs	MED	18	15	14	14	13			E 12	20	22	23	24	24	23	22	20	E 18	16	15	12	13	15	22	18
	CNT	12	15	13	14	14	16	18	22	30	31	27	26	28	28	25	30	29	18	17	16	17	17	16	15

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. JANUARY, 1964

TABLE 7

BOULDER, COLORADO (40.0N, 105.3W) TIME 105.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	26	27	28	29	28	28	27	28	43	48	50	58	61	60	58	58	52	42	30	27	23	20	23	23
	CNT	30	31	30	29	30	28	29	30	31	31	31	30	30	30	30	31	31	31	30	29	29	30	29	29
	UQ	28	30	31	32	32	32	31	32	45	49	56	63	64	64	62	60	54	45	35	29	26	23	24	26
	LQ	23	24	25	26	25	25	25	27	41	46	48	56	58	57	54	54	50	39	28	24	20	19	20	22
h'F2	MED									208		269	270	260	250	248	242								
	CNT									5	4	9	22	26	22	15	10	4							
	UQ									223		325	295	273	263	261	248								
	LQ									204		244	250	245	242	240	238								
h'F	MED	E 260	E 255	250	241	239	234	238	222	217	202	200	203	210	200	199	220	210	208	228	E 235	E 246	E 263	E 270	E 265
	CNT	31	31	31	31	31	30	29	31	31	31	30	29	30	30	30	31	31	31	30	31	30	25	28	29
	UQ	285	268	268	250	250	258	248	243	220	211	218	218	219	218	213	228	219	212	238	240	260	295	295	280
	LQ	250	247	238	230	220	222	224	217	200	191	190	198	190	195	190	203	208	202	220	220	228	248	244	248
M(3000)F2	MED	300	310	310	315	322	325	330	332	360	355	335	330	342	342	340	350	360	350	322	338	332	320	318	300
	CNT	29	31	29	27	28	26	25	30	31	30	31	30	30	30	30	31	30	31	28	28	28	25	26	27
	UQ	310	320	322	330	340	330	340	350	365	370	350	350	355	350	350	355	365	360	340	350	350	328	330	310
	LQ	300	300	305	310	305	315	320	320	350	350	315	320	330	335	330	345	350	345	308	320	302	302	305	300
foF1	MED											2	3	3	1										
	CNT																								
foE	MED									175	225	255	270	275	270	260	230	192							
	CNT									15	21	25	26	25	26	29	23	16							
h'E	MED									E 130	110	110	110	110	109	110	110	E 115							
	CNT									14	26	30	30	28	28	30	28	22							
foEs	MED	33	32	37	32	39	32	32	32	24	23	29	29	28	28	26	23	21	31	36	32	31	30	30	31
	CNT	15	15	12	14	10	16	18	16	31	31	31	30	30	30	30	31	31	13	12	11	12	17	14	12

SWEEP 0.25 MC TO 20.0 MC IN 27 SECONDS. JANUARY, 1964

TABLE 8

FT. BELVOIR, VIRGINIA (38.7N, 77.1W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	22	U 22	U 24	U 27	U 28	28	26	27	42	48	51	58	60	58	55	56	54	46	39	32	29	24	22	23
	CNT	28	26	27	25	26	26	28	28	29	29	28	28	29	29	29	29	29	30	30	30	29	27	26	28
	UQ	24	24	28	32	32	31	28	29	45	50	54	62	64	60	58	60	57	49	42	34	31	26	25	24
	LQ	20	20	21	24	27	24	22	26	40	45	49	54	57	56	53	53	52	45	34	30	24	20	21	20
h'F2	MED										230	250	270	260	255	260	250	238							
	CNT									2	15	24	27	29	29	27	26	22							
	UQ										260	265	280	270	269	275	255	240							
	LQ										230	232	250	245	245	250	245	230							
h'F	MED	E 275	E 290	E 280	255	250	E 242	250	235	220	215	200	208	205	205	205	210	220	220	220	U 235	235	E 255	E 270	E 280
	CNT	28	27	28	27	29	28	28	29	29	29	27	28	28	28	28	28	29	30	29	29	28	27	25	28
	UQ	310	310	300	270	260	250	285	255	230	220	210	218	212	220	210	220	235	225	230	245	250	270	305	305
	LQ	255	260	270	250	240	228	240	230	210	205	195	192	195	200	190	200	210	220	215	230	228	250	255	258
M(3000)F2	MED	310	U 300	U 305	U 310	U 325	330	320	330	360	360	358	340	340	350	340	340	350	350	330	330	330	320	310	310
	CNT	25	26	26	24	25	25	26	28	29	29	28	27	28	28	28	28	29	30	30	29	27	24	24	26
	UQ	320	310	310	322	330	340	330	340	370	370	362	345	355	360	350	350	360	350	340	340	340	330	320	320
	LQ	305	300	300	302	310	320	310	330	350	350	342	330	335	340	330	335	340	340	330	320	320	310	300	300
foF1	MED												395	400	390										
	CNT									1	1	4	10	7	5	2	1								
foE	MED									170	220	250	270	285	280	262	245	U 205							
	CNT									13	23	24	23	26	27	26	27	25	2						
h'E	MED									E 131	111	111	111	111	111	111	115	119							
	CNT									10	27	26	25	28	27	28	28	27							
foEs	MED	29	23	32	24	27	26	30	30	18	24	28	29	29	29	27	25	21	17	27	30	24	29	22	38
	CNT	11	9	10	15	13	12	8	9	28	29	28	28	28	28	29	29	29	27	13	8	10	8	6	9

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. JANUARY, 1964

TABLE 9

OKINAWA I. (26.3N, 127.8E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	30	29	28	26	24	24	[illegible]	[illegible]	[illegible]	[illegible]	62	[illegible]	84	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	46	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	6	9	[illegible]	[illegible]	9	8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	35	40	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	54	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	44	[illegible]
	LQ	28	26	26	23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	54	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED										238	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	241	[illegible]						
	CNT									[illegible]	11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	UQ										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	LQ										231	236	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
h'F	MED	F 265	F 285	F [illegible]	264	241	F 247	F 310	F 280	228	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	F [illegible]	[illegible]	F 231	F 280
	CNT	8	[illegible]	11	[illegible]	[illegible]	[illegible]	7	13	[illegible]	13	12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8
	UQ	300	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	256	[illegible]	248	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	340	342	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	340	[illegible]	[illegible]	[illegible]	350	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11	[illegible]	12	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	12	[illegible]	[illegible]	[illegible]	11	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	330
	LQ	312	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF	MED														[illegible]										
	CNT													4	[illegible]	[illegible]									
foE	MED									[illegible]	[illegible]	[illegible]					[illegible]	[illegible]	[illegible]						
	CNT									[illegible]		[illegible]	4	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]						
h'E	MED									[illegible]	[illegible]	[illegible]	11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	118						
	CNT									[illegible]	11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]						
foEs	MED		47	[illegible]	28	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	41	41	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	CNT	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13	[illegible]	[illegible]	[illegible]	[illegible]	13	[illegible]	[illegible]	[illegible]	[illegible]	4	4	4

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. JANUARY, 1964

TABLE 10

MAUI, HAWAII (20.8N, 156.5W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	25	26	[illegible]	[illegible]	19	17	[illegible]	51	60	82	76	76	95	99	85	[illegible]	58	48	33	31	34	[illegible]	U 24
	CNT	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	30	[illegible]	30	[illegible]	30	31	[illegible]	[illegible]	[illegible]	30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27
	UQ	26	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	42	55	66	88	95	89	[illegible]	[illegible]	[illegible]	92	[illegible]	[illegible]	[illegible]	[illegible]	38	[illegible]	29
	LQ	[illegible]	23	24	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	64	75	77	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	21
h'F2	MED									250	273	265	[illegible]	287	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT									6	27	[illegible]	27	27	[illegible]	31	[illegible]	[illegible]	[illegible]						
	UQ									253	[illegible]	284	268	345	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	LQ									241	261	254	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
h'F	MED	F 280	265	F 242	228	[illegible]	251	[illegible]	245	[illegible]	224	215	[illegible]	194	190	200	[illegible]	[illegible]	227	[illegible]	[illegible]	F [illegible]	F 232	229	F 234
	CNT	[illegible]	26	[illegible]	22	[illegible]	16	[illegible]	27	[illegible]	28	27	28	26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17	21	[illegible]	18
	UQ	[illegible]	277	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	224	[illegible]	[illegible]	[illegible]	[illegible]	250
	LQ	[illegible]	250	[illegible]	[illegible]	225	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	196	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	223
M(3000)F2	MED	[illegible]	320	[illegible]	[illegible]	[illegible]	330	[illegible]	335	360	342	340	[illegible]	[illegible]	[illegible]	325	330	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	340
	CNT	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	14	27	30	30	30	30	30	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	23	[illegible]	24
	UQ	[illegible]	330	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	345	[illegible]	[illegible]	360	[illegible]	325	[illegible]	340	[illegible]	[illegible]	[illegible]	[illegible]	380	340	360	[illegible]	362
	LQ	[illegible]	[illegible]	328	[illegible]	[illegible]	315	[illegible]	[illegible]	343	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	300	325	[illegible]	[illegible]
foF1	MED											415	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT										4	[illegible]	25	21	[illegible]	[illegible]	[illegible]	3							
foE	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT					[illegible]	1		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	[illegible]	[illegible]	[illegible]					
h'E	MED									115	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	114						
	CNT	[illegible]	[illegible]	1		[illegible]	[illegible]	[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	20	[illegible]	[illegible]	[illegible]		1	[illegible]
foEs	MED	18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
	CNT	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]

SWEEP 0.25 MC TO 20.0 MC IN 27 SECONDS. JANUARY, 1964

TABLE 11

[illegible], GREENLAND [illegible] TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED																								
	CNT																								
foE	MED																								
	CNT															[illegible]									
h'E	MED																								
	CNT										[illegible]					[illegible]	[illegible]	[illegible]							
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 0.25 MC TO 20.0 MC IN 3 MINUTES 36 SECONDS. DECEMBER, 1963

TABLE [illegible]

[illegible], ICELAND (64.1N, 21.8W) TIME 15.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED						[illegible]		[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]
	UQ				[illegible]		[illegible]		[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	LQ								[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED				[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]
	UQ				[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	LQ					[illegible]					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
M(3000)F2	MED											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT		[illegible]				[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]		[illegible]
	UQ						[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	LQ									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	320	[illegible]							
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT									[illegible]		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.0 MC TO 25.0 MC IN 16.2 SECONDS. [illegible], 1963

TABLE 13

ANCHORAGE, ALASKA 61.2°N, 149.9°W TIME 150°0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	12	12	12	12	11	11	11	12	14	15	14	14	15	15	15	14	14	14	14	12	12	12	12	12
	CNT	14	14	13	13	12	12	12	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
	UQ	13	13	13	14	11	11	11	12	12	14	13	13	14	14	14	13	13	13	13	13	13	13	13	13
	LQ	11	11	11	11	10	10	10	11	11	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	3.2	3.1	3.4		3	3.1	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.2	3.2	3.0	3.0	3.2
	CNT	3.1	3.2	3.3	3.4	3.1	3.1	3.1	3.2	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.0	3.0	3.1
	UQ	3.1	3.2	3.3		3.1	3.1	3.1	3.2	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.0	3.0	3.1
	LQ	3.0	3.1	3.2		3.0	3.0	3.0	3.1	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0	2.9	2.9	3.0
foF1	MED																								
	CNT																								
foE	MED											1.7	1.9	1.8	1.8	1.7	1.6								
	CNT											1.8	1.8	1.8	1.8	1.8	1.8								
h'E	MED										1.9	1.9	1.7	1.5	1.3	1.3	1.3								
	CNT				1				1		1.7	1.9	1.8	1.2	1.2	1.2	1.1	3							
foEs	MED	2.8	2.5	3.3	2.6	2.5	2.6	2.0	1.9	1.4	1.8	2.3	1.9	2.0	2.2	1.9	1.7	1.7	1.6	1.3	1.4	1.7	1.8	2.5	2.5
	CNT	2.0	1.9	1.9	2.1	2.4	2.4	1.9	2.1	2.5	2.5	1.4	1.1	2.2	2.3	2.2	1.9	1.6	1.4	1.1	.8	1.3	2.6	2.1	1.3

SWEEP 0.25 MC TO 20.0 MC IN 27 SECONDS. DECEMBER, 1963

TABLE 14

ADAK, ALASKA 51.9°N, 176.6°W TIME 180°0W

HOUR		00	01	02	03	04	05	06	07	08	09	0		12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	2.9	2.7	2.6	2.7	2.6	2.6	2.7	2.6	4.2	5.3	5.8	6.7	6.2	5.8	5.1	5.0	5.2	2.4	2.2	2.1	2.0	2.1	2.4	2.6
	CNT	2.8	2.5	2.4	2.4	2.4	2.5	2.7	2.7	3.3	4.1	5.1	5.1	5.1	5.2	5.2	5.1	4.1	3.1	2.5	2.5	2.4	2.8	2.8	3.0
	UQ	3.1	3.0	3.0	3.1	3.1	3.1	3.1	2.8	4.5	5.7	6.3	6.5	6.7	6.4	6.3	6.5	6.0	3.3	2.9	2.6	2.2	2.4	2.5	3.0
	LQ	2.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.8	4.2	4.4	4.5	4.6	4.7	4.7	4.5	3.4	2.5	2.1	1.8	1.8	2.0	2.2	2.4
h'F2	MED										2.9	2.9	2.7	2.7	2.8	2.8	2.7								
	CNT										2.7	2.8	2.8	2.8	2.8	2.8	2.8								
	UQ										2.8	2.9	2.9	2.9	2.9	2.9	2.9								
	LQ										2.6	2.6	2.5	2.6	2.6	2.6	2.5								
h'F	MED	F 2.68	F 2.68	F 2.60	F 2.6	F 2.64	F 2.64	F 2.65	F 2.23	F 2.13	F 2.14	F 2.14	F 2.1	F 2.10	F 2.13	F 2.24	F 2.18	F 2.1	F 2.2	F 2.48	F 2.35	F 2.45	F 2.50	F 2.54	F 2.59
	CNT	2.4	2.8	2.8	2.8	2.4	2.4	2.4	2.8	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.4	2.9	3.0	2.7
	UQ	2.8	2.72	2.8	2.8	2.8	2.7	2.7	2.65	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.65	2.68	2.65	2.78
	LQ	2.3	2.56	2.65	2.61	2.55	2.58	2.58	2.61	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.48	2.25	2.40	2.37	2.40
M(3000)F2	MED	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
	CNT	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
	UQ	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
	LQ	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
foF1	MED																								
	CNT																								
foE	MED													1.8	2.0	D 2.1	F 2.2	F 1.8	D 2.0						
	CNT													1.6	1.8	1.9	1.9	1.5	1.8						
h'E	MED													F 1.8	F 2.0	F 2.5		F 1.62							
	CNT													1.7	1.8	1.8	1.7	1.6	2						
foEs	MED	1.9	1.2		1.5	1.3	1.3	D 1.3	1.3	1.8	2	2.2	F 2.3	2.3	2.2	2.2	D 1.9	1.6	1.5	1.6	1.4	1.2		1.6	1.4
	CNT	1.2	.8	.1	1.3	1.2	1.6	1.8	2.2	2.7	2.8	2.4	2.5	2.2	2.2	2.4	2.2	1.7	2.1	1.9	1.3	1.6	1.9	1.6	1.3

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. DECEMBER, 1963

TABLE 15

FT. MONMOUTH, NEW JERSEY 40.2°N, 74.1°W TIME 75°0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	3.2	3.2	2.9	3.3	3.0	2.9	2.9	3.2	4.6	5.2	5.8	6.7	6.4	6.2	6.2	6.6	5.5	4.4	3.7	3.0	2.3	2.1	2.1	2.6
	CNT	2.7	2.9	2.6	2.7	2.6	2.4	2.7	2.7	3.4	4.2	5.0	5.1	5.3	5.2	5.0	5.1	4.1	3.1	3.3	2.8	2.5	2.3	2.5	2.7
	UQ	2.9	2.9	2.8	3.1	3.1	3.1	3.1	3.4	4.5	5.6	6.1	7.1	6.8	7.0	6.5	6.4	5.9	4.8	4.2	3.2	2.6	2.3	2.3	2.7
	LQ	2.6	2.6	2.1	2.4	2.8	2.8	2.8	3.1	4.0	4.3	4.6	4.6	4.6	4.7	4.9	4.7	4.2	3.4	3.2	2.6	2.2	2.0	1.9	2.0
h'F2	MED									2.90	2.90	2.90	2.84	2.68	2.66	2.64	2.34								
	CNT									3.1	2.9	2.9	2.9	2.8	2.8	2.7	2.7								
	UQ									3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.9								
	LQ									2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8								
h'F	MED	F 3.1	F 3.00	F 2.88	F 2.8	2.62	2.60	2.62	2.50	2.20	2.20	2.04	2.09	2.04	2.07	2.15	2.20	2.20	2.19	2.32	2.40	F 2.60	F 3.00	F 3.00	F 3.04
	CNT	2.3	2.6	2.5	2.5	2.6	2.6	2.6	2.4	2.4	2.8	2.7	2.9	3.1	2.9	2.9	3.4	3.1	3.1	3.3	2.9	2.5	2.3	2.5	2.2
	UQ	3.18	3.15	3.3	3.0	2.86	2.86	2.82	2.6	2.24	2.24	2.20	2.24	2.16	2.15	2.20	2.24	2.22	2.25	2.40	2.56	2.90	3.13	3.30	3.20
	LQ	2.74	2.82	2.7	2.60	2.65	2.6	2.63	2.26	2.1	2.1	1.94	2	1.92	1.96	1.98	2.09	2.12	2.10	2.29	2.32	2.50	2.70	2.81	2.90
M(3000)F2	MED	3.1	3.2	3.1	3.1	3.2	3.2	3.2	3.4	3.6	3.6	3.6	3.6	3.5	3.6	3.5	3.5	3.5	3.4	3.3	3.4	3.2	3.1	3.08	3.04
	CNT	3.4	3.4	3.5	3.4	3.3	3.3	3.3	3.4	3.3	3.3	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.6	2.2	2.1	2.1	1.6
	UQ	3.3	3.3	3.2	3.3	3.3	3.4	3.3	3.3	3.2	3.2	3.68	3.70	3.60	3.60	3.60	3.60	3.65	3.50	3.45	3.50	3.35	3.20	3.18	3.10
	LQ	3.0	3.00	3.02	3.1	3.15	3.1	3.20	3.32	3.14	3.58	3.35	3.45	3.50	3.45	3.45	3.45	3.45	3.30	3.30	3.30	3.15	3.02	2.95	3.00
foF1	MED												3.60		1										
	CNT												3												
foE	MED									2.02	2.10	2.60	2.80	2.85	2.70	2.60	2.24								
	CNT									1.6	1.4	1.5	1.9	1.9	1.5	1.7	1.8								
h'E	MED									1.15	1.18	1.18	1.20	1.18	1.15	1.18	1.19								
	CNT									1.4	2.0	2.4	2.4	2.4	2.4	2.7	2.3								
foEs	MED	3.0	3.7	3.4	3.2	3.4	3.4	3.1	3.2	2.0	2.5	2.8	2.9	3.0	2.8	2.6	2.4	2.0	3.0	3.1	3.6	3.2	3.4	3.2	3.2
	CNT	.6	.7	.7	.7	.6	1.1	1.1	1.3	2.9	2.8	2.7	2.9	3.0	2.7	2.8	2.8	2.4	1.2	1.6	1.2	1.3	1.6	.9	1.0

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. DECEMBER, 1963

TABLE 16

BOULDER, COLORADO 40.0°N, 105.3°W TIME 105°0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	2.7	3.0	3.1	3.2	3.0	2.8	2.8	3.4	5.0	5.5	5.6	6.4	7.1	6.7	6.5	6.3	5.6	4.2	2.8	2.4	2.3	2.2	2.2	2.4
	CNT	2.5	2.8	2.7	2.9	2.7	2.4	2.7	2.9	3.1	3.9	4.9	5.2	5.1	5.1	5.0	5.2	4.1	3.0	2.5	2.3	2.5	2.5	2.4	2.9
	UQ	3.0	3.0	3.2	3.5	3.7	3.2	3.5	3.5	5.6	6.5	6.5	6.5	7.8	7.5	6.8	6.4	5.8	4.8	3.2	2.8	2.4	2.3	2.4	2.8
	LQ	2.4	2.6	2.7	2.8	2.8	2.7	2.7	3.2	4.7	5.2	5.2	5.2	6.4	6.4	6.3	5.9	5.2	3.8	2.5	2.2	2.1	2.0	2.0	2.2
h'F2	MED									2.90	2.23	2.40	2.50	2.42	2.40	2.32	2.22								
	CNT									2.6	2.11	2.11	2.4	2.7	2.5	2.4	2.15								
	UQ									2.20	2.30	2.60	2.60	2.60	2.50	2.40	2.30								
	LQ									2.8	2.2	2.38	2.41	2.33	2.31	2.21	2.20								
h'F	MED	2.51	2.50	2.45	2.48	2.28	2.28	F 2.47	2.23	2.15	2.15	2.00	2.03	2.05	2.11	2.10	2.12	2.10	2.07	F 2.29	F 2.41	2.42	F 2.52	F 2.61	F 2.70
	CNT	2.29	2.30	2.31	2.29	2.30	2.30	2.30	2.29	2.30	2.28	2.24	2.29	2.31	2.31	2.30	2.29	2.28	2.29	2.30	2.29	2.28	2.25	2.25	2.29
	UQ	2.62	2.69	2.55	2.49	2.41	2.41	2.60	2.34	2.25	2.23	2.11	2.09	2.19	2.21	2.19	2.20	2.15	2.11	2.50	2.62	2.66	2.74	2.93	2.90
	LQ	2.38	2.46	2.35	2.26	2.17	2.20	2.31	2.12	2.1	2.07	1.89	1.91	1.97	2.00	2.02	2.02	2.08	2.00	2.18	2.21	2.24	2.39	2.51	2.53
M(3000)F2	MED	3.10	3.15	3.20	3.25	3.25	3.25	3.15	3.15	3.55	3.60	3.45	3.35	3.43	3.45	3.50	3.50	3.58	3.45	3.40	3.40	3.40	3.28	3.12	3.08
	CNT	3.0	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.6	3.9	3.8	3.9	3.1	3.1	3.0	3.0	2.8	3.0	2.5	2.3	1.8	2.0	2.0	2.4
	UQ	3.25	3.28	3.25	3.31	3.45	3.40	3.20	3.50	3.65	3.65	3.58	3.60	3.55	3.55	3.55	3.60	3.62	3.50	3.48	3.50	3.46	3.32	3.30	3.20
	LQ	3.00	3.00	3.10	3.10	3.10	3.13	3.08	3.25	3.50	3.50	3.32	3.30	3.30	3.40	3.40	3.38	3.45	3.32	3.30	3.15	3.25	3.12	3.00	3.00
foF1	MED															1	2								
	CNT																								
foE	MED									1.82	2.25	2.55	2.75	2.75	2.70	2.55	2.22								
	CNT									1.8	1.4	2.0	1.9	2.7	2.4	2.1	1.4	3							
h'E	MED									E 1.23	1.13	1.12	1.15	1.13	1.15	1.15	1.14	E 1.29							
	CNT									1.1	1.3	1.7	1.7	1.9	1.5	1.5	1.6	1.7							
foEs	MED	3.5	3.4	3.8	3.6	3.0	3.0	3.6	3.7	2.3	2.6	3.0	3.4	2.9	3.2	2.7	2.3	2.4	3.7	3.5	3.8	3.6	3.9	3.7	3.6
	CNT	2.4	2.4	1.6	1.9	1.8	1.4	1.7	2.2	3.0	2.9	2.9	3.0	3.0	3.1	3.0	2.7	2.3	1.4	1.7	2.2	2.4	2.5	2.5	2.4

SWEEP 0.25 MC TO 20.0 MC IN 27 SECONDS. DECEMBER, 1963

TABLE 17

FT. BELVOIR, VIRGINIA (38.7N, 77.1W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	U 24	L 26	28	U 30	32	32	31	32	48	54	57	68	69	67	64	63	58	47	37	31	26	23	23	23
	CNT	31	29	28	26	28	28	29	31	31	31	31	31	31	31	31	31	31	31	31	31	30	28	28	30
	UQ	27	29	32	34	35	36	33	34	51	58	61	70	72	71	69	66	60	50	42	35	28	25	25	25
	LQ	26	20	24	26	26	28	26	28	46	50	54	65	61	61	57	58	55	44	35	28	23	22	22	21
h'F2	MED									222	225	230	250	248	245	240	235	215							
	CNT									11	22	23	30	28	29	27	26	15							
	UQ									225	230	245	260	252	255	250	245	230							
	LQ									215	220	220	240	238	238	235	230	210							
h'F	MED	E 280	F 275	F 268	250	U 250	U 235	F 240	230	215	215	205	210	200	205	E 210	215	220	210	225	235	245	F 265	F 270	F 278
	CNT	30	31	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	25	27	28
	UQ	305	310	280	270	260	245	250	240	220	220	215	220	215	215	215	225	220	220	230	245	260	300	300	290
	LQ	260	260	250	250	235	220	230	220	210	205	200	200	200	200	200	205	210	205	220	230	235	255	260	270
M(3000)F2	MED	U 310	310	310	315	320	330	330	340	360	360	350	350	355	350	350	350	355	350	340	340	330	312	320	U 305
	CNT	27	27	25	25	26	24	29	31	31	31	31	31	31	31	31	31	31	31	31	31	29	24	26	27
	UQ	330	315	318	330	330	340	340	340	370	370	360	355	355	360	350	360	360	360	345	350	350	325	325	320
	LQ	300	290	300	300	300	320	320	330	350	360	335	335	335	340	340	340	350	335	325	330	320	300	310	300
foF1	MED																								
	CNT												2		1										
foE	MED									178	230	258	275	280	280	260	230	180							
	CNT									18	23	22	25	27	25	27	21	12							
h'E	MED									F 129	112	111	111	113	112	111	113	F 129							
	CNT									17	28	28	27	29	30	29	27	17							
foEs	MED	31	22	21	29	20	29	28	28	20	24	28	30	30	29	27	25	20	19	35	32	31	36	30	23
	CNT	13	1	12	11	13	12	13	14	30	31	31	31	31	31	31	31	31	11	11	16	17	16	17	15

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. DECEMBER, 1963

TABLE 18

OKINAWA I. (26.3N, 127.8E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	25	28	29	30	34	28	U 24	32	56	62	69	70	72	78	80	77	74	70	59	45	46	44	31	28
	CNT	18	19	21	21	22	19	9	28	31	28	31	30	31	31	29	27	28	29	31	26	28	24	18	14
	UQ	27	31	34	32	40	32	28	36	60	70	78	78	85	92	94	87	74	78	63	50	52	48	37	28
	LQ	23	26	25	28	26	22	22	29	52	56	64	59	63	71	72	70	64	60	47	36	42	39	28	26
h'F2	MED									240	242	250	250	263	260	254	250	235							
	CNT									5	22	30	29	27	31	30	29	29	2						
	UQ									250	250	260	260	280	278	262	255	250							
	LQ									225	238	240	240	249	250	248	240	230							
h'F	MED	F 311	F 312	F 300	F 274	232	F 248	F 308	251	230	230	F 218	F 212	200	200	210	F 220	E 222	220	205	212	240	F 230	230	E 264
	CNT	20	20	29	26	27	21	13	31	30	29	30	28	30	28	28	27	28	31	31	28	30	27	20	16
	UQ	341	330	324	300	270	270	320	270	239	239	228	230	209	228	224	232	235	230	214	242	258	235	242	290
	LQ	300	294	258	252	220	210	[illegible]	240	220	220	205	200	180	184	200	200	210	218	200	210	220	210	224	245
M(3000)F2	MED	310	300	310	320	365	345	U 305	340	370	365	360	360	342	340	350	348	355	365	370	350	322	350	350	330
	CNT	15	15	14	19	[illegible]	18		26	29	27	31	29	30	31	25	26	27	29	31	23	24	22	17	13
	UQ	320	320	345	340	375	395	320	350	370	375	370	370	355	350	358	360	370	378	375	360	345	360	362	360
	LQ	300	300	305	320	320	335	300	330	358	350	350	342	330	330	332	340	340	360	360	340	318	330	340	310
foF1	MED																								
	CNT												1	3	4	2									
foE	MED									215	260	290	300	310	310	300	280	250							
	CNT									12	18	17	8	8	9	9	11	12							
h'E	MED									F 124	113	110	110	110	110	110	F 113	F 120							
	CNT									8	26	29	28	25	26	25	20	11	2						
foEs	MED		48	36	31	32				22	29	33	40	42	40	42	44	30	32	40	36	31	36	52	45
	CNT	4	5	7	10	8	3	4	2	28	29	31	31	31	31	31	31	29	28	18	18	13	9	6	7

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. DECEMBER, 1963

TABLE 19

MAUI, HAWAII (20.8N, 156.5W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	28	30	31	30	23	18	18	37	[illegible]	[illegible]	84	87	86	91	73	86	72	60	45	35	30	33	33	29
	CNT	22	21	25	24	23	21	24	29	24	[illegible]	31	31	31	31	31	31	30	29	29	25	24	23	20	20
	UQ	33	32	36	32	[illegible]	24	22	42	64	76	89	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	85	68	51	38	42	37	36	34
	LQ	25	24	28	27	18	16	17	36	54	67	76	80	69	76	[illegible]	[illegible]	65	54	42	[illegible]	26	[illegible]	[illegible]	[illegible]
h'F2	MED									246	271	268	[illegible]	[illegible]	[illegible]	[illegible]	251	235	222						
	CNT									[illegible]	25	31	[illegible]	30	30	30	[illegible]	[illegible]	6						
	UQ									257	283	280	274	288	313	281	271	246	224						
	LQ									241	259	[illegible]	252	247	[illegible]	[illegible]	245	228	215						
h'F	MED	258	268	[illegible]	[illegible]	[illegible]	292	285	[illegible]	237	[illegible]	215	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	233	222	214	[illegible]	234	258	242	[illegible]
	CNT	14	18	23	23	21	12	15	29	29	29	28	27	25	25	26	23	24	27	26	18	6	12	18	16
	UQ	277	[illegible]	247	[illegible]	[illegible]	[illegible]	[illegible]	254	[illegible]	232	275	[illegible]	[illegible]	217	[illegible]	242	[illegible]	228	221	[illegible]	268	278	267	245
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	241	[illegible]	[illegible]	[illegible]	194	[illegible]	188	198	[illegible]	[illegible]	217	[illegible]	[illegible]	218	245		[illegible]
M(3000)F2	MED	318	305	328	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	340	340	320	315	325	340	[illegible]	370	365	355	300	[illegible]	338	335
	CNT	[illegible]	18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	30	29	28	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	18	17
	UQ	332	[illegible]	368	388	[illegible]	[illegible]	328	[illegible]	[illegible]	348	345	[illegible]	[illegible]	330	340	350	365	380	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	350
	LQ	[illegible]	[illegible]	320	328	[illegible]	[illegible]	[illegible]	[illegible]	338	[illegible]	[illegible]	320	300	300	312	[illegible]	[illegible]	[illegible]	[illegible]	340	240	290	320	320
foF	MED											[illegible]	[illegible]	44	[illegible]	[illegible]									
	CNT											[illegible]	13	[illegible]	18	[illegible]	[illegible]								
foE	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	312	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT						1		[illegible]	[illegible]	[illegible]	27	[illegible]	17	14	19	19	17	[illegible]						
h'E	MED									[illegible]	[illegible]	[illegible]	F 109	[illegible]	[illegible]	108	[illegible]	112	[illegible]						
	CNT					1	1		4	[illegible]	27	28	[illegible]	28	24	27	[illegible]	[illegible]	[illegible]						
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	33	45	[illegible]	[illegible]	36	36	31	34	[illegible]	[illegible]	[illegible]	35	[illegible]	
	CNT	27	[illegible]	28	27	[illegible]	[illegible]	24	27	[illegible]	[illegible]	[illegible]	31	[illegible]	31	31	31	[illegible]	[illegible]	28	[illegible]	28	[illegible]	24	[illegible]

SWEEP 0.25 MC TO 20.0 MC IN 27 SECONDS. DECEMBER, 1963

TABLE 20

BAGUIO, LUZON (16.4N, 120.6E) TIME 120.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	50	[illegible]	[illegible]	47	44			55	74	84	90	90	[illegible]	93	92	[illegible]	91	90	85	70	65	[illegible]	60	57
	CNT	3	1	[illegible]	1	1			19	[illegible]	[illegible]	25	[illegible]	21	21	22	25	23	23	16	19	13	8	6	3
	UQ	54							58	[illegible]	[illegible]	[illegible]	96	[illegible]	98	99	[illegible]	98	[illegible]	[illegible]	84	67	66	67	60
	LQ	47							49	64	78	84	84	[illegible]	[illegible]	88	[illegible]	[illegible]	[illegible]	78	64	58	44	58	54
h'F2	MED									[illegible]	[illegible]	285	[illegible]	[illegible]	[illegible]	320	295	[illegible]							
	CNT									[illegible]	25	[illegible]	23	22	24	22	27	22							
	UQ																								
	LQ																								
h'F	MED	265	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	195	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	220	220	[illegible]	240	[illegible]	240
	CNT	[illegible]	9	[illegible]	[illegible]	2			28	22	[illegible]	19	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25	23	2	[illegible]	16	6
	UQ																								
	LQ																								
M(3000)F2	MED	275	[illegible]	[illegible]					[illegible]	330	[illegible]	325	310	280	285	[illegible]	305	[illegible]	325	345	350	310	325	330	340
	CNT	1	1	[illegible]					13	[illegible]	[illegible]	24	[illegible]	18	[illegible]	[illegible]	[illegible]	[illegible]	14	13	[illegible]	[illegible]	5	6	1
	UQ								365	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	325	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	335	360	335	
	LQ								340	315	[illegible]	[illegible]	280	[illegible]	[illegible]	265	[illegible]	[illegible]	315	335	340	305	315	325	
foF1	MED											440	[illegible]	[illegible]	[illegible]										
	CNT											3	[illegible]	5	[illegible]										
foE	MED																								
	CNT																								
h'E	MED											[illegible]	113			[illegible]	[illegible]								
	CNT											[illegible]													
foEs	MED													43	[illegible]	[illegible]									
	CNT	[illegible]	[illegible]	14	8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26	[illegible]	[illegible]

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. DECEMBER, 1963

TABLE 21

THULE, GREENLAND 76.4°N, 68.8°W TIME 75.0°W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED											106	139	114	205										
	CNT											R	R	H	V										
foEs	MED																								
	CNT																								

SWEEP 0.25 MC TO 20.0 MC IN 3 MINUTES 36 SECONDS. NOVEMBER, 1963

TABLE 22

REYKJAVIK, ICELAND 64.1°N, 21.8°W TIME 15.0°W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 16.2 SECONDS. NOVEMBER, 1963

TABLE 23

ANCHORAGE, ALASKA 61.2°N, 149.9°W TIME 150.0°W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 0.25 MC TO 20.0 MC IN 27 SECONDS. NOVEMBER, 1963

TABLE 24

ADAK, ALASKA 51.9°N, 176.6°W TIME 180.0°W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. NOVEMBER, 1963

TABLE 25

FT. MONMOUTH, NEW JERSEY (40.4N, 74.1W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	24	24	28	29	30	29	26	44	57	63	68	70	76	72	[illegible]	D 70	68	55	44	36	30	26	[illegible]	24
	CNT	28	24	26	25	23	27	29	30	29	29	30	30	33	33	29	30	30	30	29	28	28	29	28	28
	UQ	26	27	29	[illegible]	34	[illegible]	28	49	60	65	70	74	79	79	78	74	71	61	48	40	32	29	28	28
	LQ	22	20	23	24	27	25	22	42	54	58	65	69	72	70	68	68	65	50	[illegible]	33	26	23	[illegible]	22
h'F2	MED									218	230	240	250	244	250	243	[illegible]								
	CNT									5	12	26	28	8	[illegible]	[illegible]	15								
	UQ									223	238	250	253	252	256	[illegible]	[illegible]								
	LQ									207	216	230	238	238	232	231	[illegible]								
h'F	MED	F 291	F 282	F 280	F 264	251	238	F 260	220	215	200	190	205	204	210	212	[illegible]	217	208	224	[illegible]	[illegible]	F [illegible]	F 280	F 281
	CNT	28	28	29	27	25	26	[illegible]	29	30	29	28	30	28	[illegible]	[illegible]	[illegible]	[illegible]	30	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]
	UQ	317	305	300	280	260	265	270	220	220	210	200	210	212	220	225	226	221	210	232	244	272	283	303	308
	LQ	279	270	270	251	240	229	240	[illegible]	200	188	180	190	190	[illegible]	200	[illegible]	209	200	210	228	230	262	262	264
M(3000)F2	MED	310	310	305	315	320	330	330	355	370	360	355	350	350	340	350	350	358	350	330	330	320	310	310	310
	CNT	27	24	24	23	[illegible]	24	25	29	29	28	30	30	[illegible]	[illegible]	[illegible]	[illegible]	26	30	27	28	28	28	28	26
	UQ	315	318	315	325	[illegible]	345	338	365	380	378	365	360	358	350	355	360	365	360	[illegible]	342	335	320	320	320
	LQ	300	300	292	310	315	315	320	350	360	350	345	340	342	330	340	345	345	335	320	315	310	300	300	300
foF1	MED																								
	CNT											[illegible]	1	[illegible]	[illegible]										
foE	MED								D 170	[illegible]	255	280	290	300	[illegible]	270	240	190							
	CNT								9	24	27	[illegible]	[illegible]	[illegible]	4	18	19	[illegible]							
h'E	MED								F 128	114	[illegible]	[illegible]	120	[illegible]	[illegible]	[illegible]	128	F [illegible]							
	CNT								8	23	28	27	26	28	28	28		15							
foEs	MED	32							17	22	26	28	30	30	29	27	24	20	22	30	35	44	40	30	29
	CNT	6	2	4	3	[illegible]	3	1	27	29	29	24	30	4	30	30	29	4	[illegible]	11	7		6	6	9

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. NOVEMBER, 1963

TABLE 26

BOULDER, COLORADO (40.0N, 105.3W) TIME 105.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	30	32	31	33	32	32	33	48	60	66	68	76	82	77	72	68	63	50	34	33	26	24	26	28
	CNT	18	20	19	19	18	17	18	22	23	23	20	23	23	22	22	21	19	20	20	21	19	15	16	18
	UQ	33	33	34	35	34	35	36	50	62	68	76	82	90	82	76	72	67	54	42	36	30	28	27	29
	LQ	28	30	29	[illegible]	29	28	28	46	57	64	64	70	76	73	70	64	58	46	32	28	24	23	24	27
h'F2	MED									232	240	248	264	247	240	241	239								
	CNT									7	15	12	12	23	17	15	9								
	UQ									235	249	260	280	259	250	253	242								
	LQ									229	225	238	245	[illegible]	235	228	220								
h'F	MED	265	260	265	F 250	250	250	F 255	228	[illegible]	210	205	200	208	218	215	224	215	[illegible]	F 230	237	234	264	F 272	F 274
	CNT	23	24	24	23	24	24	24	24	24	24	21	22	24	23	[illegible]	19	19	20	21	21	22	17	19	22
	UQ	280	273	270	270	270	274	281	238	230	218	213	[illegible]	220	225	240	233	[illegible]	220	244	249	[illegible]	296	290	290
	LQ	251	247	253	241	[illegible]	240	236	[illegible]	212	200	200	191	200	[illegible]	237	219	210	204	227	228	224	236	260	255
M(3000)F2	MED	300	305	305	310	310	310	310	345	350	348	335	330	338	335	338	345	350	348	325	338	342	315	300	300
	CNT	16	16	17	14	16	15	16	21	23	22	19	21	22	[illegible]	20	18	18	18	18	20	14	12	13	15
	UQ	310	310	310	330	320	[illegible]	320	352	355	350	340	340	345	345	345	345	355	350	335	345	350	322	312	310
	LQ	300	298	298	295	[illegible]	295	300	340	[illegible]	325	320	[illegible]	320	320	330	340	[illegible]	330	[illegible]	325	320	305	300	300
foF1	MED																								
	CNT										1														
foE	MED									210	250	275	288	295	285	[illegible]	235								
	CNT								2	4	10	12	[illegible]	[illegible]	19	[illegible]	11	1							
h'E	MED									117	111	110	112	113	116	117	114								
	CNT								3	22	19	18	20	21	20	22	16	2							
foEs	MED	35	32	31	32	31	[illegible]	38	30	25	30	29	[illegible]	30	32	28	26	21	[illegible]	[illegible]	34	[illegible]	[illegible]	32	32
	CNT	15	16	9	13	13	9	[illegible]	15	23	23	[illegible]	22	23	22	[illegible]	20	17	11	14	8	13	10	10	19

SWEEP 0.25 MC TO 20.0 MC IN 27 SECONDS. NOVEMBER, 1963

TABLE 27

FT. [illegible], V[illegible]INIA ([illegible]) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	26	27	28	29	[illegible]	30	[illegible]	[illegible]	58	64	[illegible]	[illegible]	76	[illegible]	[illegible]	72	70	59	[illegible]	47	[illegible]	26	[illegible]	26
	CNT	30	[illegible]	30	[illegible]	[illegible]	30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30	30	30	[illegible]	30
	UQ	29	[illegible]	[illegible]	34	[illegible]	45	42	[illegible]	[illegible]	68	[illegible]	73	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	34	[illegible]	[illegible]	[illegible]	30
	LQ	25	24	25	[illegible]	[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	68	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	UQ									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	LQ									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
h'F	MED	275	[illegible]	268	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M(3000)F2	MED	300	[illegible]	300	[illegible]	[illegible]	328	328	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	28	28	28	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	365	[illegible]	[illegible]	[illegible]	345	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	298	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED																								
	CNT												[illegible]	3											
foE	MED									212	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT								[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
h'E	MED									112	[illegible]	[illegible]	[illegible]	111	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT								[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
foEs	MED	28	[illegible]	19	24	[illegible]		[illegible]	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	1	[illegible]	3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	8

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. NOVEMBER, 1963

TABLE 28

[illegible]RAND BAHAMA I. (26.6N, 78.2W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	42	38	[illegible]	34	[illegible]	[illegible]	[illegible]	74	76	[illegible]	[illegible]	[illegible]	80	70	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	38
	CNT	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	[illegible]	[illegible]	[illegible]	27	[illegible]	29	30	[illegible]	[illegible]	[illegible]	[illegible]	29	[illegible]	[illegible]	[illegible]	27
	UQ	42	44	46	46	44	[illegible]	[illegible]	[illegible]	68	[illegible]	[illegible]	84	83	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	38	[illegible]	37	38	41
	LQ	35	36	38	38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	44	[illegible]	[illegible]	[illegible]	[illegible]	36
h'F2	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	UQ									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	LQ									[illegible]	[illegible]	248	248	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
h'F	MED	F [illegible]	F 244	F [illegible]	F [illegible]	[illegible]	F [illegible]	F [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	208	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	214	F [illegible]	F [illegible]	F [illegible]	F [illegible]	F [illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	265	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	255	[illegible]	[illegible]	217	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	281
	LQ	239	238	236	[illegible]	226	[illegible]	238	[illegible]	188	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	218	[illegible]	[illegible]	[illegible]	[illegible]
M(3000)F2	MED	315	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	27	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	328	[illegible]	[illegible]	[illegible]	322	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED																								
	CNT																								
foE	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
h'E	MED								F 138	F 118	[illegible]	[illegible]	F 138	[illegible]	[illegible]	[illegible]	F [illegible]	[illegible]							
	CNT								[illegible]	28	23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
foEs	MED	24	[illegible]	[illegible]	26	[illegible]	[illegible]	27	[illegible]	[illegible]	[illegible]	[illegible]	34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	41
	CNT	[illegible]	18	[illegible]	[illegible]	[illegible]	[illegible]	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. NOVEMBER, 1963

TABLE [illegible]

[illegible] NAWA [illegible] ([illegible]) TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	82	86	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	3	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	24	[illegible]	[illegible]	16	[illegible]	[illegible]	[illegible]	[illegible]	17	18	14	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	82	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	28	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	UQ									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	44	[illegible]	[illegible]						
	LQ									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	280
	CNT	[illegible]	[illegible]	8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	42	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M(3000)F2	MED	300	315	315	320	350	325	310	362	352	350	350	340	338	340	350	340	350	368	355	348	[illegible]	338	[illegible]	310
	CNT	25	27	[illegible]	22	[illegible]	[illegible]	[illegible]	[illegible]	12	[illegible]	21	18	[illegible]	16	11	13	[illegible]	14	14	16	12	22	23	25
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	295	[illegible]	305	315	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	340	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED																								
	CNT																								
foE	MED								[illegible]	[illegible]	[illegible]	300	315	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT								[illegible]	[illegible]	14	16	9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
h'E	MED									118	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT								4	27	[illegible]	28	27	28	27	[illegible]	23	20	[illegible]						
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	23	[illegible]	[illegible]	[illegible]	[illegible]	40	41	40	[illegible]	38	36	[illegible]	38	[illegible]	[illegible]	[illegible]	[illegible]	
	CNT	[illegible]	8	[illegible]	9	[illegible]	8	7	16	28	29	30	[illegible]	28	30	29	30	28	[illegible]	18	[illegible]	[illegible]	7	7	4

SWEEP [illegible] MC TO 25.[illegible] MC IN 27 SECONDS. NOVEMBER, 1963

TABLE [illegible]

MA[illegible], HAWA[illegible] ([illegible]) TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	31	28	[illegible]	[illegible]	21		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
	CNT	25	26	27	[illegible]	[illegible]	[illegible]	27	[illegible]	[illegible]	29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27
	UQ	39	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	54	[illegible]	88	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	44	64	76	[illegible]	[illegible]	[illegible]	[illegible]	11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED									255	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT									[illegible]	[illegible]	[illegible]	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	UQ									[illegible]	287	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	LQ									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
h'F	MED	250	254	229	225	[illegible]	268	312	248	[illegible]	220	[illegible]	[illegible]	201	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	274	[illegible]	247
	CNT	28	28	28	28	[illegible]	15	22	30	27	27	[illegible]	24	24	[illegible]	[illegible]	[illegible]	21	[illegible]	[illegible]	[illegible]	14	[illegible]	[illegible]	[illegible]
	UQ	275	269	248	238	[illegible]	[illegible]	325	251	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	222	[illegible]	[illegible]	[illegible]	279	241	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M(3000)F2	MED	315	330	340	350	338	300	295	335	[illegible]	315	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	335	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	300	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26	30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]
	UQ	[illegible]	350	370	[illegible]	[illegible]	[illegible]	305	340	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	312	[illegible]	[illegible]
	LQ	300	310	322	338	[illegible]	[illegible]	290	325	[illegible]	[illegible]	[illegible]	[illegible]	300	[illegible]	315	[illegible]	335	[illegible]	[illegible]	340	[illegible]	290	[illegible]	[illegible]
foF1	MED											[illegible]	[illegible]	[illegible]	[illegible]										
	CNT											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									
foE	MED								188	240	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	195						
	CNT							[illegible]	16	24	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	9						
h'E	MED								128	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	119						
	CNT								20	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18	16	7						
foEs	MED	19	18	[illegible]	15	18	19	22	21	27	34	34	34	38	38	37	36	30	33	30	30	31	23	22	19
	CNT	22	24	21	24	22	24	20	30	29	29	30	30	30	30	30	30	29	30	30	28	29	25	23	27

SWEEP 0.25 MC TO 20.0 MC IN 27 SECONDS. N[illegible]VEMBER, 1963

TABLE 31

BAGUIO, LUZON (16.4N, 120.6E) TIME 120.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	39	[illegible]	42	[illegible]	79	[illegible]	[illegible]	110	[illegible]	[illegible]	[illegible]	[illegible]	114	[illegible]	97	[illegible]	92	[illegible]	82	[illegible]
	CNT	7	[illegible]	7	7	1		8	18	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	23	27	[illegible]	[illegible]	[illegible]	16	[illegible]
	UQ	[illegible]	[illegible]	70	47			46	[illegible]	88	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	118	114	103	[illegible]	96	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	42	[illegible]			[illegible]	64	73	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	106	[illegible]	91	[illegible]	87	[illegible]	[illegible]	[illegible]
h'F2	MED								[illegible]	260	285	290	300	[illegible]	300	[illegible]	[illegible]	[illegible]							
	CNT								2	15	27	26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	20							
	UQ																								
	LQ																								
h'F	MED	230	230	230	[illegible]	245		260	[illegible]	220	210	200	200	195	195	200	210	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	230
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		11	[illegible]	[illegible]	17	[illegible]	16	18	[illegible]	17	[illegible]	6	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	375	365	[illegible]	300	[illegible]	340	355	[illegible]	[illegible]	325	[illegible]	[illegible]	280	[illegible]	305	[illegible]	[illegible]	[illegible]	[illegible]	320	[illegible]	350	350
	CNT	7	3	5	3			7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17	12	14	[illegible]	[illegible]	21	[illegible]	8	[illegible]	[illegible]	11
	UQ	340	380	380	[illegible]			345	[illegible]	345	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	335	345	345	[illegible]	[illegible]	[illegible]	360	355
	LQ	335	370	335	340			335	340	325	[illegible]	[illegible]	280	[illegible]	[illegible]	[illegible]	285	305	315	[illegible]	315	[illegible]	[illegible]	[illegible]	330
foF	MED												460	[illegible]	[illegible]										
	CNT												3	1	1										
foE	MED																								
	CNT																								
h'E	MED										[illegible]		117												
	CNT										1		1												
foEs	MED											[illegible]	37	40	40	37	34								
	CNT	27	20	20	12	4		15	23	30	30	29	30	29	30	30	29	27	28	23	24	26	23	22	22

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. NOVEMBER, 1963

TABLE 32

GODHAVN, GREENLAND (69.3N, 53.5W) TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	30	30	28	29	29				38	40	44	50	50	51	50	44	47	40		42				
	CNT	13	16	12	9	5	3	3	4	7	[illegible]	18	18	8	8	18	19	17	7	3	5	3	[illegible]	1	
	UQ	30	30	30	36	30				[illegible]	42	49	53	52	54	52	50	50	45		46				
	LQ	25	27	26	25	27				36	39	42	46	47	48	45	40	40	40		34				
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	34	33				24	26	43		20		20			56	70	44							
	CNT	9	13	9	8	7	15	17	11	2	5	4	5	1		7	5	7	3	1	2	2	2		1

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS. OCTOBER, 1963

TABLE 33

ADAK, ALASKA (51.9N, 176.6W) TIME 180.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	29	31	30	31	31	31	37	48	55	62	68	75	70	69	66	63	59	48	42	33	29	31	30	31
	CNT	29	29	27	28	26	26	29	29	31	31	31	31	31	31	31	31	31	31	29	30	31	27	27	27
	UQ	34	34	34	35	35	34	40	52	61	68	73	83	82	73	72	68	63	53	45	37	34	34	33	34
	LQ	26	27	29	28	28	28	34	44	50	55	62	62	64	64	62	59	55	44	37	28	25	26	27	28
h'F2	MED									245	239	250	250	244	242	236									
	CNT							1	1	7	16	22	27	24	18	18	4	1							
	UQ									340	255	273	264	254	265	251									
	LQ									222	234	240	240	235	230	230									
h'F	MED	F 260	265	F 273	270	F 268	F 265	246	225	225	222	216	212	210	209	219	226	219	219	225	F 235	E 245	F 250	F 257	E 260
	CNT	30	31	30	30	29	31	30	29	31	30	28	26	29	29	30	30	30	31	29	30	31	31	31	29
	UQ	278	290	285	285	287	310	260	238	233	229	224	235	229	220	233	232	228	225	238	248	265	265	275	274
	LQ	253	252	258	258	248	240	230	214	217	210	204	200	200	200	200	220	214	210	212	216	230	240	245	246
M(3000)F2	MED	300	300	300	300	300	300	322	350	355	350	345	340	340	340	350	355	360	350	345	325	325	315	312	305
	CNT	27	28	27	26	26	24	28	29	31	31	31	31	31	31	31	31	31	31	28	30	31	26	26	27
	UQ	310	308	305	305	310	310	340	360	360	360	355	350	355	350	360	360	365	360	350	345	340	330	320	320
	LQ	295	288	290	295	285	285	310	340	350	335	325	325	320	335	335	345	350	340	335	320	310	305	305	300
foF1	MED											390	405												
	CNT								1	1	[illegible]	5	6	4	2	1									
foE	MED								190	220	245	260	278	280	260	250	220	200	158						
	CNT							3	19	24	20	16	14	13	14	17	14	11	8						
h'E	MED								115	113	119	E 118	108	108	117	120	118	113	145						
	CNT							4	19	27	29	28	29	28	28	26	20	13	9						
foEs	MED	16	16	15	20	23	20	16	21	25	24	33	35	33	29	27	25	24	26	25	29	21	15	16	15
	CNT	14	18	20	18	21	26	28	30	31	31	31	31	31	31	31	31	31	30	30	[illegible]	[illegible]	[illegible]	18	17

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. OCTOBER, 1963

TABLE 34

FT. BELVOIR, VIRGINIA (38.7N, 77.1W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	30	30	29	28	26	23	28	49	57	60	62	65	67	70	72	73	72	66	56	45	38	32	30	29
	CNT	28	27	26	27	26	25	29	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	27
	UQ	33	32	32	31	28	26	30	51	62	66	71	71	76	82	83	[illegible]	[illegible]	71	60	54	43	37	35	32
	LQ	26	27	25	24	25	21	26	45	53	56	58	59	61	63	65	65	64	59	48	41	32	29	28	28
h'F2	MED								230	235	240	250	265	260	270	270	255	240	230						
	CNT								5	23	25	30	28	30	30	28	29	26	6						
	UQ								250	245	250	260	288	280	300	280	268	250	230						
	LQ								222	230	232	240	250	255	260	255	248	230	220						
h'F	MED	F 270	U 265	F 265	260	240	260	F 248	220	220	205	200	190	185	205	215	220	225	220	210	220	E 240	250	E 270	265
	CNT	30	29	29	29	29	27	30	31	31	30	31	31	29	30	31	31	31	31	31	31	31	30	31	31
	UQ	290	285	275	278	270	280	260	230	220	215	210	200	210	220	225	230	230	230	220	230	250	270	280	280
	LQ	260	260	250	240	[illegible]	240	230	215	210	200	190	180	180	190	205	210	220	210	205	210	230	240	255	260
M(3000)F2	MED	300	300	310	310	330	318	320	350	350	350	350	335	330	325	325	335	340	345	330	330	320	310	305	300
	CNT	27	25	23	23	[illegible]	18	27	31	30	30	31	31	31	31	31	31	31	31	31	30	30	29	30	24
	UQ	310	310	315	320	330	330	335	360	360	360	360	340	340	330	330	340	350	355	350	340	325	320	310	310
	LQ	290	295	300	300	320	310	310	340	350	345	340	320	320	315	320	330	330	335	320	320	310	300	295	295
foF1	MED											415	425	430	420										
	CNT									1	3	8	12	9	5	2	[illegible]								
foE	MED								185	240	270	290	300	[illegible]	300	295	275	240	185						
	CNT								23	27	24	20	23	25	28	25	26	24	14						
h'E	MED								119	106	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	111	120						
	CNT							1	23	28	28	29	31	28	28	28	[illegible]	26	16						
foEs	MED	30	27	20	33	30	32	23	29	25	29	30	31	31	30	31	29	27	D 20	D 18	24	[illegible]	[illegible]	28	30
	CNT	11	13	14	[illegible]	8	10	7	31	[illegible]	29	31	31	31	31	31	31	31	30	25	21	6	14	10	12

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. OCTOBER, 1963

TABLE 35

GRAND BAHAMA I. (26.6N, 78.2W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	40	40	40	40	34	32	35	57	65	65	68	71	76	75	83	90	87	83	66	43	32	35	38	40
	CNT	26	27	27	28	27	28	28	27	26	24	25	25	24	23	23	23	[illegible]	23	22	23	25	24	25	26
	UQ	43	44	44	45	[illegible]	35	38	61	68	72	74	[illegible]	82	[illegible]	[illegible]	[illegible]	93	[illegible]	73	[illegible]	39	[illegible]	[illegible]	[illegible]
	LQ	38	38	38	36	[illegible]	28	32	51	[illegible]	62	62	64	66	[illegible]	78	[illegible]	[illegible]	74	[illegible]	38	[illegible]	34	[illegible]	[illegible]
h'F2	MED								[illegible]	[illegible]	[illegible]	277	280	285	294	283	266	249	230						
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	26	[illegible]	[illegible]	[illegible]	[illegible]	25	[illegible]						
	UQ								234	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	243	[illegible]	254	234						
	LQ								[illegible]	237	245	268	268	274	280	274	256	240	223						
h'F	MED	[illegible]	[illegible]	[illegible]	226	[illegible]	F 248	242	[illegible]	217	[illegible]	[illegible]	221	[illegible]	[illegible]	224	[illegible]	[illegible]	234	[illegible]	[illegible]	[illegible]	[illegible]	266	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27	[illegible]	28	27	25	25	24	[illegible]	[illegible]	25	[illegible]	[illegible]	25	[illegible]	[illegible]	[illegible]
	UQ	276	[illegible]	[illegible]	245	[illegible]	275	255	[illegible]	222	215	[illegible]	214	[illegible]	233	236	240	241	233	219	230	294	289	276	280
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	215	235	[illegible]	218	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	192	218	[illegible]	[illegible]	226	[illegible]	210	[illegible]	263	[illegible]	[illegible]
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	315	[illegible]	[illegible]	315	[illegible]	370	360	[illegible]	335	325	318	328	340	335	365	362	365	355	[illegible]	[illegible]	300
	CNT	[illegible]	[illegible]	[illegible]	27	[illegible]	[illegible]	[illegible]	[illegible]	18	[illegible]	28	[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	6	12	12	[illegible]	17	[illegible]	22
	UQ	[illegible]	[illegible]	345	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	345	345	[illegible]	[illegible]	335	345	[illegible]	375	380	378	370	330	[illegible]	320
	LQ	[illegible]	[illegible]	308	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	330	312	[illegible]	320	[illegible]	340	350	342	348	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT																								
foE	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	315	[illegible]	[illegible]	D 198						
	CNT								[illegible]	24	[illegible]	[illegible]	[illegible]	18	[illegible]	23	24	21	16						
h'E	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	120						
	CNT								[illegible]	[illegible]	26	[illegible]	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18						
foEs	MED	24	[illegible]	[illegible]	24	[illegible]	[illegible]	23	[illegible]	26	[illegible]	33	36	36	[illegible]	36	34	[illegible]	24	25	[illegible]	28	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	17	[illegible]	[illegible]	[illegible]	[illegible]	25	[illegible]	26	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	21	[illegible]	[illegible]	15	17	[illegible]

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. OCTOBER, [illegible]

TABLE 36

OKINAWA I. (26.3N, 127.8E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	33	28	26	55	66	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	36	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26	[illegible]	21	21	[illegible]	[illegible]	26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	42	[illegible]	[illegible]	74	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	40
	LQ	[illegible]	[illegible]	32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	54	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	UQ									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	LQ									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	242	[illegible]	[illegible]	[illegible]	[illegible]	224	[illegible]	[illegible]	[illegible]	300
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	228	[illegible]	260
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	365	[illegible]	[illegible]	355	[illegible]	[illegible]	[illegible]
	CNT	21	[illegible]	[illegible]	27	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	14	[illegible]	[illegible]	5	[illegible]	12	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	345	[illegible]	[illegible]	335	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	370	[illegible]	[illegible]	320
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	330	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	348	[illegible]	[illegible]	295	[illegible]
foF1	MED											[illegible]	[illegible]	[illegible]	445										
	CNT											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									
foE	MED								[illegible]	255	[illegible]	[illegible]	325	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	228						
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18	[illegible]	1					
h'E	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	113						
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
foEs	MED	31	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	38	[illegible]	[illegible]	[illegible]	33	[illegible]	[illegible]	[illegible]	35	35
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. OCTOBER, 1963

TABLE 37

MA[illegible]I, HAWAII (20.8N, 15[illegible]W) TIME [illegible]W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	[illegible]	31	31	31	[illegible]	[illegible]	31	31	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	148	[illegible]	125	[illegible]	[illegible]	[illegible]	48	44	42
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	75	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	97	[illegible]	[illegible]	37	41	32	[illegible]
h'F2	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	268	[illegible]	[illegible]						
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	UQ								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	278	[illegible]	[illegible]						
	LQ								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	235	223						
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	218	[illegible]	[illegible]	[illegible]	266	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M(3000)F2	MED	320	325	320	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	28	27	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	330	340	342	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	315	310	310	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									
	CNT											[illegible]	[illegible]	14	[illegible]		[illegible]	[illegible]							
foE	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT								18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	[illegible]	21	[illegible]	[illegible]	[illegible]					
h'E	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	119						
	CNT								[illegible]	[illegible]	[illegible]	29	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
foEs	MED	21	18	20	18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	35	[illegible]	[illegible]	[illegible]	29	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	22	17	15	14	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	31	31	31	31	31	30	27	[illegible]	[illegible]	23	[illegible]

[illegible] OCTOBER, 1963

TABLE 38

BA[illegible], [illegible]ZON (16.4N, 12[illegible]) TIME 120.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		47	[illegible]	[illegible]	94	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	89	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		22	[illegible]	28	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22	21	17	13	13
	UQ	97	92	[illegible]	58	[illegible]		48	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	98
	LQ	[illegible]	64	64	44	[illegible]		45	[illegible]	76	86	98	[illegible]	88	[illegible]	102	114	113	110	[illegible]	88	[illegible]	78	80	77
h'F2	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18	[illegible]	22	[illegible]	[illegible]						
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	240	[illegible]	[illegible]	250	280	270
	CNT	[illegible]	27	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15	8	[illegible]	27	28	28	8	7	27	26
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	335	[illegible]	[illegible]	[illegible]	245	[illegible]	[illegible]	310	330	320	340	325	320	315	320	310
	CNT	[illegible]	14	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13	8	9	15	13	9	8	7
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	340	340	345	335	340	340	330	315
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	255	265	[illegible]	[illegible]	[illegible]	[illegible]	325	310	315	315	300	300	305	295
foF1	MED																								
	CNT											[illegible]	1	1	[illegible]										
foE	MED																								
	CNT														[illegible]	1									
h'E	MED																								
	CNT														[illegible]	[illegible]									
foEs	MED						35		36	37	[illegible]	[illegible]	41	42		[illegible]	39	40	43	37					
	CNT	[illegible]	16	[illegible]	14	8	6	14	16	26	[illegible]	23	23	22	22	23	23	24	19	19	15	14	[illegible]	14	18

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. OCTOBER, 1963

TABLE 39

H[illegible]ANCAYO, PER[illegible] (12.0[illegible], 75.3W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	62	53	41	[illegible]	[illegible]	[illegible]	73	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	85	[illegible]	87	[illegible]	86	82	84	[illegible]	[illegible]
	CNT	[illegible]	12	15	21	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	24	[illegible]	25	[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	70	63	48	[illegible]	41	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	94	[illegible]	[illegible]	86	88	[illegible]
	LQ	[illegible]	56	48	39	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	76	[illegible]	84	84	78	78	[illegible]	[illegible]	[illegible]
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									
	CNT										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	[illegible]								
foE	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT							[illegible]	[illegible]	24	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	23	[illegible]	[illegible]	[illegible]					
h'E	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11

SWEEP 0.25 MC TO 20.0 MC IN 1 MINUTE 48 SECONDS. [illegible]

TABLE 40

THULE, GREENLAND (76.4N, 68.3W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	26	31	[illegible]	28	31	33	33	38	[illegible]	41	38	[illegible]	42	[illegible]	41	42	41	40	[illegible]	38	[illegible]	32	33	32
	CNT	[illegible]	18	[illegible]	18	[illegible]	[illegible]	19	19	[illegible]	13	18	14	17	14	16	[illegible]	[illegible]	22	[illegible]	19	14	[illegible]	15	21
	UQ	[illegible]	[illegible]	37	44	[illegible]	[illegible]	38	44	45	43	42	43	[illegible]	45	45	46	43	44	43	45	43	38	38	36
	LQ	[illegible]	[illegible]	[illegible]	24	[illegible]	28	[illegible]	[illegible]	36	37	35	[illegible]	[illegible]	[illegible]	36	[illegible]	38	38	37	31	33	25	25	28
h'F2	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	298							
	CNT						[illegible]	[illegible]	[illegible]	[illegible]	12	1	[illegible]	[illegible]	12	[illegible]	13	[illegible]	4	3					
	UQ								[illegible]	[illegible]	[illegible]		[illegible]	38	[illegible]	340	372	302							
	LQ								[illegible]	74	[illegible]	[illegible]	[illegible]	300	305	279	290	273							
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	240	[illegible]	240	240	245	[illegible]	240
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22	[illegible]	[illegible]	22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27	25	8
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	240	[illegible]	[illegible]	[illegible]	237	239	[illegible]	[illegible]	253	264	[illegible]	260	270	259
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	212	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	228	230	230	230	232	230	232
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	315	305	300	300	300
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	16	19	[illegible]	[illegible]	13	[illegible]	14	14	16
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	330	322	315	310	308
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	298	[illegible]	[illegible]	295	290
foF1	MED									[illegible]	[illegible]	34	[illegible]	[illegible]	[illegible]	[illegible]	33								
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]		1	1					
foE	MED					[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	CNT		[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	[illegible]	[illegible]	11	[illegible]	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1		
h'E	MED		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	CNT	[illegible]	[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15	[illegible]	[illegible]	[illegible]	3	3	2
foEs	MED	[illegible]	[illegible]	[illegible]	12	[illegible]	16	[illegible]	[illegible]	21	[illegible]	23	[illegible]	23		22	21	18	19	[illegible]	17	20	20	18	14
	CNT	16	19	21	19	[illegible]	[illegible]	21	[illegible]	21	[illegible]	[illegible]	21	21	[illegible]	20	[illegible]	[illegible]	21	[illegible]	[illegible]	[illegible]	22	21	18

SWEEP [illegible] IN 3 MINUTES 36 SECONDS. SEPTEMBER, 1963

TABLE 41

BARROW, ALASKA (71.3N, 156.8W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	32	30	30	30	30	33	38	39	40	41	42	44	43	42	44	44	42	42	42	36	34		29	29
	CNT	8	5	6	12	8	7	9	9	12	12	14	13	17	16	19	22	23	21	17	18	10	4	7	6
	UQ	35	32	34	36	36	37	40	41	42	43	44	46	44	46	46	47	44	46	44	42	38		32	34
	LQ	26	27	27	29	26	30	32	38	39	40	39	40	38	39	40	41	40	40	38	31	34		26	25
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	300			299	302	295	310	292	290	300	300	305	305	298	305	308	310	315	329	320	305		270	292
	CNT	7	4	9	9	6	6	7	8	12	11	14	13	16	16	17	22	24	21	16	16	9	3	5	6
	UQ	310			314	325	310	325	315	306	325	324	326	315	308	328	325	325	322	338	330	325		318	310
	LQ	275			278	285	290	290	268	272	295	280	278	285	285	288	290	290	305	318	305	288		268	270
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	[illegible]																							
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. SEPTEMBER, 1963

TABLE 42

NARSSARSSUAQ, GREENLAND (61.2N, 45.4W) TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED						28	36	40	43	46	47	48	48	48	47	47	47	44	42	39	38	34	33	28
	CNT	2	2	1	1	3	8	14	13	13	18	21	22	23	24	22	25	23	22	22	17	9	9	5	9
	UQ						28	37	44	46	47	52	52	55	52	50	49	48	47	45	42	39	36	34	34
	LQ						26	32	39	41	41	42	46	44	46	46	43	42	42	39	34	36	28	30	22
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	40	4	37	42	38	43	21	23	26	28	28	22	22	24	28	24	25	30	34	41	44	48	4	30
	CNT	32	23	21	18	18	16	13	9	8	11	14	13	11	12	18	19	17	21	5	24	24	23	13	19

SWEEP 1.0 MC TO 25.0 MC IN 16.7 SECONDS. SEPTEMBER, 1963

TABLE 43

FT. MONMOUTH, NEW JERSEY (40.4N, 74.1W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]																							
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. SEPTEMBER, 1963

TABLE 44

FT. BELVOIR, VIRGINIA (38.7N, 77.1W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]																							
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN [illegible] SECONDS. SEPTEMBER, 1963

TABLE 45

[illegible] HAHAMA [illegible] ([illegible]) TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	UQ								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	LQ								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	218	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M(3000)F2	MED	298	300	305	310	320	320	338	350	350	340	310	300	300	300	305	315	325	330	340	330	315	300	298	300
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	28	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	328	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
foE	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27	[illegible]	[illegible]					
h'E	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	112						
	CNT							[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	23	20	23	28	30	32	34	36	36	35	34	32	28	20	22	24	23	30	24
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	29	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	14	9	17

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. SEPTEMBER, 1963

TABLE 46

[illegible] HAWAII [illegible] ([illegible]) TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	88	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	23	[illegible]	16
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	UQ								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	LQ									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	218	265	300	302
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25	24	[illegible]	24
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	250	295	[illegible]	320
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	188	187	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	228	[illegible]	[illegible]	[illegible]	[illegible]	288
M(3000)F2	MED	300	310	325	315	308	320	330	360	365	355	345	310	300	312	318	315	320	340	340	348	330	305	295	300
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22	14	[illegible]	14	11	12	11	22	[illegible]	15
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	360	340	330	305	305
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	310	[illegible]	[illegible]	340	325	325	290	290	295
foF1	MED											[illegible]	[illegible]	[illegible]	[illegible]	445	440	420							
	CNT										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8	[illegible]	[illegible]	[illegible]						
foE	MED										[illegible]			[illegible]		[illegible]	[illegible]	295	250						
	CNT								[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	12	12	5						
h'E	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	114	114	[illegible]	119						
	CNT								[illegible]	[illegible]	[illegible]	11	[illegible]	[illegible]	11	[illegible]	12	13	10						
foEs	MED	32	32	30	33	25	25	26	28	36	44	40	45	46	48	43	39	36	36	38	34	56	36	42	40
	CNT	14	[illegible]	17	17	19	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26	[illegible]	[illegible]	[illegible]	[illegible]	27	[illegible]	[illegible]	[illegible]	[illegible]	15	16	13	13

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. SEPTEMBER, 1963

TABLE 47

MAUI, HAWAII (20.8N, 156.5W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	84	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	86	[illegible]	45	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	41	[illegible]	[illegible]	[illegible]
h'F2	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	UQ								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	LQ								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
foE	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
h'E	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
foEs	MED	23	21	16	15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	42	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	28	29	26	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 0.25 MC TO 20.0 MC IN 27 SECONDS. SEPTEMBER, 1963

TABLE 48

BAGUIO, LUZON (16.4N, 120.6E) TIME 120.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	56	[illegible]	[illegible]	[illegible]	47	[illegible]	72	84	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	83	80	80	68
	CNT	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	20	11	12
	UQ	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	118	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	86	72
	LQ	[illegible]	[illegible]	38	[illegible]			44	[illegible]	67	[illegible]	85	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	64	67	58
h'F2	MED								[illegible]	265	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	UQ																								
	LQ																								
h'F	MED	[illegible]	250	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	260	[illegible]	305
	CNT	[illegible]	[illegible]	[illegible]		[illegible]		28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	24
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	330	[illegible]	320	320	300	[illegible]	295
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	16	[illegible]	9
	UQ	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	315	[illegible]	310
	LQ	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	280	280
foF1	MED											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									
	CNT											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									
foE	MED									[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT									[illegible]		[illegible]		[illegible]											
h'E	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT									[illegible]		[illegible]													
foEs	MED						24		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT	28	28	26	[illegible]	12	12	28	[illegible]	28	28	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	29	28	28

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. SEPTEMBER, 1963

TABLE 49

TALARA, PERU (4.6S, 81.3W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	70	69	60	50	37	31	28	54	68	77	80	85	82	87	88	93	92	94	[illegible]	87	84	86	87	78
	CNT	22	21	20	20	20	19	18	27	29	29	29	29	29	29	29	29	28	29	29	29	26	21	13	18
	UQ	82	75	70	57	47	38	33	60	75	84	90	92	94	92	95	98	95	100	98	94	95	92	93	90
	LQ	66	58	52	39	32	22	23	49	58	66	70	71	74	76	80	83	86	85	82	76	74	[illegible]	[illegible]	65
h'F2	MED											360	365	410	430	380	370								
	CNT										2	17	19	21	21	22	7	3							
	UQ											398	450	475	480	430	405								
	LQ											335	340	370	365	340	315								
h'F	MED	220	220	230	222	220	240	270	240	E 225	215	200	200	200	195	E 195	190	200	F 240	250	270	270	240	230	225
	CNT	29	29	28	28	26	24	29	30	30	28	28	23	24	21	21	19	20	20	28	29	29	27	30	28
	UQ	245	240	240	230	230	255	290	250	230	220	213	210	200	200	200	200	210	230	255	280	292	260	240	232
	LQ	215	210	220	210	210	225	258	230	215	198	190	185	190	182	182	180	185	212	240	250	255	233	220	210
M(3000)F2	MED	320	335	340	350	360	325	300	330	290	260	250	240	225	235	235	240	250	265	280	280	I 292	300	318	320
	CNT	21	19	19	[illegible]	18	14	17	27	29	27	27	27	28	27	28	28	28	29	28	24	18	17	18	18
	UQ	338	350	345	352	370	330	318	335	300	275	265	250	235	245	255	[illegible]	268	280	298	292	305	318	340	335
	LQ	312	320	320	325	350	300	295	315	280	245	230	220	212	220	222	230	240	245	268	268	280	240	300	[illegible]
foF1	MED											440	450	450	450	440	420								
	CNT										2	9	18	21	18	19	6	2							
foE	MED								210	280	310	335	345	350	350	U 340	U 320	I 290	240	190					
	CNT								20	24	24	26	27	26	24	23	19	11	10	5					
h'E	MED								121	114	111	111	109	109	109	109	109	109	113						
	CNT								28	10	28	28	28	29	28	28	28	25	19	2					
foEs	MED	26	20	18	18	17	21	18	26	32	34	36	36	37	38	40	40	40	34	31	30	26	35	36	29
	CNT	9	8	9	14	14	15	14	30	33	29	26	26	29	28	28	28	28	29	28	14	1[illegible]	13	10	11

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. SEPTEMBER, 1963

TABLE 50

HUANCAYO, PERU (12.0S, 75.3W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	70	60	52	43	35	31	40	64	80	82	82	78	75	75	74	77	79	78	78	75	74	74	75	68
	CNT	17	18	14	13	13	13	19	23	24	24	24	25	27	27	27	27	27	27	27	24	16	15	13	15
	UQ	73	66	56	52	45	38	46	71	86	90	86	84	81	81	84	85	85	85	89	85	86	91	86	85
	LQ	59	51	44	39	28	26	36	61	71	77	74	71	68	67	69	69	70	68	68	66	61	61	64	65
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	335	325	330	325	328	330	320	330	305	275	255	258	250	255	255	255	265	270	285	275	245	310	322	325
	CNT	17	17	14	12	12	13	19	23	24	23	23	24	26	27	27	27	26	27	27	23	14	10	10	13
	UQ	340	342	340	335	338	340	330	345	322	290	270	262	260	260	265	270	270	280	295	290	305	325	335	330
	LQ	322	318	320	312	312	315	305	315	290	255	250	248	240	245	250	245	255	260	275	265	285	310	315	318
foF1	MED										430	440	440	450	450	430	410								
	CNT										11	16	21	23	23	19	[illegible]								
foE	MED							U 14[illegible]	238	U 290	U 320	345	342	355	350	340	U 315	280	222	140					
	CNT							9	24	24	24	22	22	23	24	26	27	27	26	16					
h'E	MED							F 148	115	107	136	105	10[illegible]	105	105	105	105	105	110	150					
	CNT							6	25	24	24	23	23	25	26	26	27	26	25	11					
foEs	MED	33	34	35	34	30	32	32	44	72	76	80	90	90	89	89	75	70	57	40	42	41	34	35	32
	CNT	10	10	6	10	9	14	23	24	24	23	23	24	26	27	27	27	27	27	24	[illegible]	8	13	11	8

SWEEP 0.25 MC TO 20.0 MC IN 1 MINUTE 48 SECONDS. SEPTEMBER, 1963

TABLE 51

CONCEPCION, CHILE (36.6S, 73.0W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	32	36	37	34	24	[illegible]	42	52	57	64	73	78	76	80	78	80	80	72	61	47	40	38	38	38
	CNT	23	23	24	24	25	23	26	26	26	28	26	27	28	27	27	25	25	25	26	27	27	27	26	25
	UQ	43	42	50	42	33	24	48	57	63	74	86	89	101	110	90	94	86	84	68	56	49	47	44	44
	LQ	29	29	30	[illegible]	21	19	33	48	52	52	57	57	68	73	68	[illegible]	[illegible]	63	[illegible]	41	37	44	[illegible]	[illegible]
h'F2	MED											265	270	298	270	E 280	[illegible]	2[illegible]							
	CNT									[illegible]	[illegible]	5	5	6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	UQ											278	308	310	288	285	262	[illegible]							
	LQ											26[illegible]	270	290	265	255	242	24[illegible]							
h'F	MED	335	275	260	245	F 260	280	250	190	200	200	200	200	210			U 185	200	190	220	250	270	270	300	330
	CNT	6	5	5	5	5	5	5	6	6	6	5	5	6	3	4	5	5	5	5	6	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	325	298	290	260	300	302	268	235	245	237	230	228	233			[illegible]	218	240	23[illegible]	320	245	285	[illegible]	338
	LQ	300	255	238	225	232	255	248	178	185	180	190	200	202			180	181	185	220	235	240	257	280	308
M(3000)F2	MED	281	285	302	338	322	330	338	360	353	342	335	330	332	335	335	330	33[illegible]	[illegible]	335	[illegible]	295	290	290	280
	CNT	21	23	24	24	24	24	26	26	26	28	26	27	28	27	27	25	25	25	25	25	26	26	[illegible]	24
	UQ	292	300	335	365	350	320	350	370	360	350	345	340	340	340	350	345	350	358	348	322	310	310	300	290
	LQ	27[illegible]	270	283	312	300	285	325	350	340	332	[illegible]	315	320	325	320	325	328	[illegible]	[illegible]	300	275	[illegible]	278	[illegible]
foF1	MED														415										
	CNT											[illegible]	3	3	6										
foE	MED								213	260	[illegible]	[illegible]	[illegible]	31[illegible]	[illegible]	295	285	[illegible]	[illegible]						
	CNT							3	24	26	25	22	24	24	24	24	20	18	5						
h'E	MED								122	119	11[illegible]	11[illegible]	11[illegible]	112	114	118	11[illegible]	111	[illegible]						
	CNT							3	24	26	27	24	26	26	25	25	[illegible]	17							
foEs	MED	39	26	[illegible]	27	[illegible]	[illegible]	[illegible]	22	28	33	49	[illegible]	43	42	47	[illegible]	[illegible]	[illegible]	33	28	[illegible]	28	28	34
	CNT	11	18	22	[illegible]	21	20	18	26	26	28	25	26	28	28	27	[illegible]	25	24	23	10	17	[illegible]	10	10

SWEEP 1.0 MC TO 25.0 MC IN 31.5 SECONDS. SEPTEMBER, 1963

TABLE 52

GODHAVN, GREENLAND (69.3N, 53.5W) TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	38	36	35	32	36	47	36	38		46	48	47	45	49	50	48	46	46	49	44	44	42	38	39
	CNT	22	26	21	18	15	17	17	8	2	16	18	19	11	14	[illegible]	[illegible]	20	15	[illegible]	[illegible]	6	7	5	5
	UQ	40	39	39	38	40	40	40	42		49	49	50	50	50	52	50	[illegible]	48	50	49	47	42	42	40
	LQ	34	32	[illegible]	[illegible]	35	41	32	35		43	46	45	47	[illegible]	48	[illegible]	44	42	44	43	[illegible]	36	36	38
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED			46	49	34	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]			40	[illegible]	[illegible]	35	[illegible]					
	CNT	14	14	13	17	14	9	16	24	[illegible]	18	[illegible]	27	3	[illegible]	[illegible]	28	[illegible]	14	[illegible]	[illegible]			1	1

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS. AUGUST, 1963

TABLE 53

REYKJAVIK, ICELAND (64.[illegible]N, [illegible]W) TIME 15.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED			[illegible]	23	[illegible]	31	[illegible]	[illegible]	41	44	[illegible]	46	46	[illegible]	[illegible]	46	[illegible]	46	44	[illegible]	41	[illegible]		
	CNT	3	1	5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	30	[illegible]	[illegible]	29	28	[illegible]	[illegible]		[illegible]	4
	UQ			[illegible]	28	31	34	[illegible]	[illegible]	[illegible]	[illegible]	46	48	48	47	48	48	48	48	48	[illegible]	44	[illegible]		
	LQ			28	[illegible]	[illegible]	[illegible]	[illegible]	48	[illegible]	[illegible]	44	45	44	[illegible]	45	45	43	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
h'F2	MED									[illegible]	355	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	380	[illegible]	[illegible]	[illegible]	[illegible]				
	CNT							[illegible]	2	[illegible]	18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	UQ									[illegible]	[illegible]	430	385	420	[illegible]	[illegible]	430	[illegible]	[illegible]	[illegible]	[illegible]				
	LQ									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	358	[illegible]	[illegible]	320	[illegible]	[illegible]				
h'F	MED	285	[illegible]	[illegible]	[illegible]	[illegible]	262	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	8	[illegible]	8	8	8	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8	[illegible]
	UQ	[illegible]	34	[illegible]	328	300	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	215	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	268	[illegible]	[illegible]	[illegible]	[illegible]	240	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M(3000)F2	MED				[illegible]	[illegible]	325	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
	CNT		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			
	UQ				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
	LQ				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
foF1	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT							[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4					
foE	MED						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	CNT						[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]
h'E	MED							117	115	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	115	[illegible]	[illegible]	[illegible]	[illegible]				
	CNT						[illegible]	5	10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	46	20	21	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	14	14	12	12	13	[illegible]	[illegible]	15	17	17	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.0 MC TO 25.0 MC IN 16.2 SECONDS. AUGUST, 1963

TABLE 54

ANCHORAGE, ALASKA (61.2N, 149.[illegible]W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	28	26	[illegible]	28	[illegible]	34	38	[illegible]	42	44	[illegible]	47	[illegible]	44	44	44	44	44	43	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	18	18	[illegible]	20	[illegible]	26	28	27	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26	26	[illegible]	29	29	26	[illegible]	14
	UQ	29	29	[illegible]	[illegible]	[illegible]	[illegible]	40	[illegible]	45	48	48	[illegible]	48	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	44	44	[illegible]	[illegible]	[illegible]
	LQ	23	23	[illegible]	[illegible]	[illegible]	[illegible]	36	[illegible]	[illegible]	42	44	44	42	[illegible]	[illegible]	[illegible]	43	[illegible]	41	[illegible]	38	[illegible]	[illegible]	[illegible]
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	325	[illegible]	320	315	320
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	21	14
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	332	[illegible]	330	325
	LQ	[illegible]	[illegible]	282	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	400	395	[illegible]	380	370						
	CNT						[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	28	[illegible]	[illegible]	28	25	[illegible]	[illegible]	[illegible]					
foE	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	208					
	CNT						4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8	13	8	[illegible]	1			
h'E	MED					[illegible]	121	114	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	104	[illegible]	117	[illegible]				
	CNT						[illegible]	[illegible]	[illegible]	26	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	22	21	21	[illegible]	1		[illegible]	
foEs	MED	27	26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	17	18	[illegible]	16	[illegible]	18	24	[illegible]	[illegible]	26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.0 MC TO 25.0 MC IN 13.5 SECONDS. AUGUST, 1963

TABLE 55

FT. BELVOIR, VIRGINIA (38.7N, 77.1W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	38	46	54	[illegible]	[illegible]	[illegible]	54	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	35	[illegible]	44	48	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED							405	318	320	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	CNT							8	20	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	UQ								352	380	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
	LQ							[illegible]	[illegible]	280	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	220	210	200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	30	30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	230	220	210	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	215	205	190	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	340	325	325	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	30	28	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	312	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	350	348	340	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED							320	350	390	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT							6	11	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
foE	MED							U 178	U 235	U 270	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT							6	8	11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
h'E	MED							115	105	101	101	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT							15	27	28	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	30	40	21	27	31	33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	10	14	31	30	31	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. AUGUST, 1963

TABLE 56

GRAND BAHAMA I. (26.6N, 78.2W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	36	[illegible]	[illegible]	[illegible]	[illegible]	38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	66	68	[illegible]	[illegible]	[illegible]	38
	CNT	[illegible]	26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	74	[illegible]	[illegible]	[illegible]	44	42
	LQ	31	31	31	[illegible]	[illegible]	[illegible]	34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	58	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	41	34	33
h'F2	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	308	[illegible]	[illegible]					
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	UQ								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	LQ								248	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	294	[illegible]	[illegible]					
h'F	MED	[illegible]	280	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	262	[illegible]	[illegible]	[illegible]	[illegible]	328	[illegible]	[illegible]	184	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	340	330	[illegible]	[illegible]	285	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	318	[illegible]	300
	CNT	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]
	UQ	[illegible]	310	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	325	[illegible]	300
	LQ	[illegible]	[illegible]	298	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	315	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	315	315	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED									400	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT								[illegible]	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
foE	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	14					
h'E	MED								[illegible]	105	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	119					
	CNT							3	24	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	18	4				
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	41	[illegible]	[illegible]	[illegible]	[illegible]	38	[illegible]	[illegible]	[illegible]	31	30	33	31
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	23	21	23	25

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. AUGUST, 1963

TABLE 57

OKINAWA I. (26.3N, 127.8E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	42	44	42	40	30	32	46	56	60	58	53	55	62	69	78	86	85	86	91	90	72	58	51	40
	CNT	9	8	10	7	11	5	15	19	18	17	14	16	17	19	18	15	17	18	18	17	18	18	15	11
	UQ	46	45	49	49	40	33	39	61	64	60	56	56	69	85	90	91	92	93	97	94	86	62	60	45
	LQ	39	42	37	31	28	28	35	54	51	52	51	54	58	62	61	68	75	83	86	76	60	50	48	33
h'F2	MED								250	244	250	319	384	385	360	346	340	320	310	277					
	CNT								15	17	13	13	16	17	19	18	15	17	19	18					
	UQ								270	250	272	334	452	406	363	375	360	332	315	280					
	LQ								245	230	248	288	362	362	329	324	330	305	286	261					
h'F	MED	294	300	275	255	252	250	250	234	210	224	208	203	216	210		250	259	250	236	242	230	235	298	300
	CNT	14	13	15	16	16	11	16	16	13	12	12	11	7	7	4	6	5	7	6	17	19	17	18	15
	UQ	321	310	300	305	270	280	266	242	240	232	225	222	233	300		283	264	270	240	258	240	264	310	340
	LQ	279	278	259	241	228	239	240	224	200	218	200	179	180	209		240	215	220	230	230	217	230	260	280
M(3000)F2	MED	285	308	312		332		345	355	368	365	322	295	285	298	290	292	300	310	320	330	340	325	310	290
	CNT	6	6	8	4	8	2	12	18	18	16	14	16	17	18	17	14	17	16	14	9	15	14	9	6
	UQ	295	315	325		350		352	380	380	375	350	308	302	310	308	300	315	320	330	345	360	340	330	295
	LQ	281	305	300		312		325	340	360	335	310	278	275	290	280	285	292	300	310	330	320	315	290	285
foF1	MED											440	440	440	440		440	420							
	CNT									1	4	6	12	7	8	4	7	7	4						
foE	MED																								
	CNT													1		2									
h'E	MED											110	111		111	114		11[illegible]	120						
	CNT									3	4	5	5	3	5	6	3	5	5						
foEs	MED	50	41	54	36	38	48	31	42	49	47	50	46	49	49	54	56	57	52	52	48	54	34	39	36
	CNT	12	11	10	10	12	11	13	14	17	19	18	16	16	19	18	15	19	19	18	15	14	13	12	13

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. AUGUST, 1963

TABLE 58

TALARA, PERU (4.6S, 81.3W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	60	59	48	46	39	32	26	44	56	61	66	70	71	71	75	80	80	81	84	80	72	68	64	64
	CNT	25	23	23	22	18	20	16	29	30	29	29	29	31	31	29	29	29	30	31	31	30	30	29	27
	UQ	66	64	59	59	50	38	30	49	58	65	70	74	75	75	80	83	85	86	89	87	77	73	70	71
	LQ	54	47	40	38	34	24	20	40	54	60	62	66	66	66	68	70	75	77	77	72	67	54	52	54
h'F2	MED										360	418	450	460	475	450	390	370							
	CNT										7	22	29	31	28	29	27	9							
	UQ										400	470	502	530	565	470	430	398							
	LQ										330	375	402	420	435	405	355	352							
h'F	MED	240	245	260	240	235	235	250	235	205	200	195	190	195	190	190	192	200	210	240	250	260	250	250	240
	CNT	30	30	31	30	31	29	27	31	30	29	28	27	29	31	29	28	27	25	29	31	31	31	30	30
	UQ	255	270	270	260	260	258	280	245	220	218	210	200	200	200	200	200	200	220	250	270	270	270	265	260
	LQ	230	235	230	225	210	222	240	220	195	190	190	180	185	180	180	180	180	200	230	235	240	240	240	230
M(3000)F2	MED	320	340	320	330	348	335	310	330	300	260	240	230	225	220	225	235	248	260	278	290	295	300	310	315
	CNT	24	21	22	22	18	17	15	29	30	29	29	29	31	31	29	29	28	30	30	31	30	28	29	25
	UQ	332	332	340	345	360	345	345	335	310	280	250	248	235	230	238	258	260	270	295	305	310	308	315	328
	LQ	300	298	310	310	340	325	295	320	290	245	230	225	220	215	215	220	235	250	270	280	280	288	300	310
foF1	MED										420	435	440	440	440	440	430	405							
	CNT										7	24	29	31	28	29	27	8							
foE	MED								180	258	300	325	338	345	345	345	320	290	250	185					
	CNT								26	30	28	28	26	28	29	28	27	25	22	13					
h'E	MED								125	113	111	109	[illegible]	109	[illegible]	[illegible]	[illegible]	111	115	135					
	CNT								26	30	29	29	29	31	31	29	29	27	25	9					
foEs	MED			20	17	20	16	19	19	30	30	33	34	35	35	34	32	30	25	[illegible]	25	[illegible]	[illegible]	40	48
	CNT	4	4	6	10	16	13	9	31	30	29	29	29	31	31	29	29	28	30	29	13	6	9	8	5

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. AUGUST, 1963

TABLE 59

HUANCAYO, PERU (12.0S, 75.3W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	52	47	43	40	34	[illegible]	[illegible]	53	[illegible]	69	69	66	64	64	66	68	69	70	70	67	[illegible]	58	59	58
	CNT	22	23	22	22	[illegible]	16	19	31	30	29	29	28	28	28	28	28	[illegible]	30	30	30	26	25	[illegible]	23
	UQ	57	57	[illegible]	48	46	38	32	59	71	76	76	72	72	69	[illegible]	72	75	74	74	70	66	66	68	64
	LQ	46	42	36	32	28	22	[illegible]	[illegible]	[illegible]	62	62	[illegible]	59	58	60	51	[illegible]	[illegible]	67	[illegible]	56	54	[illegible]	[illegible]
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	325	330	330	328	330	332	315	[illegible]	330	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	18	18	18	18	[illegible]	16	12	26	[illegible]	24	24	20	22	24	22	24	[illegible]	[illegible]	23	[illegible]	[illegible]	8	18	[illegible]
	UQ	335	340	340	340	335	[illegible]	330	335	[illegible]	298	275	[illegible]	270	[illegible]	270	268	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	315	[illegible]	315	[illegible]	[illegible]	[illegible]	288	[illegible]	[illegible]	[illegible]	[illegible]	248	[illegible]	[illegible]	[illegible]	[illegible]	285	[illegible]	[illegible]	[illegible]	420	[illegible]
foF1	MED										420	[illegible]	440	440	[illegible]	[illegible]	[illegible]								
	CNT										17	[illegible]	[illegible]	28	[illegible]	[illegible]	13								
foE	MED								[illegible]	265	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT								25	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	27	27	[illegible]	[illegible]	7					
h'E	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	105	[illegible]	[illegible]	105	105	[illegible]	140					
	CNT								28	28	29	[illegible]	[illegible]	[illegible]	26	27	27	27	27	8					
foEs	MED	31	[illegible]	[illegible]	[illegible]	[illegible]	45	[illegible]	58	[illegible]	75	88	[illegible]	30	[illegible]	[illegible]	78	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	15	9	[illegible]	12	[illegible]	[illegible]	16	[illegible]	[illegible]	29	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	28	[illegible]	[illegible]	18	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 0.25 MC TO 20.0 MC IN 1 MINUTE 48 SECONDS. AUGUST, 1963

TABLE 60

LA PAZ, BOLIVIA (16.5S, 68.1W) TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	47	[illegible]	38	[illegible]	[illegible]	[illegible]	[illegible]	57	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	55	51
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21	21
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	58	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	47
h'F2	MED										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	UQ										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	LQ										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	325
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	325	[illegible]	[illegible]	[illegible]	335
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	320
foF1	MED											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									
	CNT											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
foE	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	240						
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
h'E	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT								[illegible]	[illegible]	13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	[illegible]	[illegible]	[illegible]	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13

SWEEP 0.25 MC TO [illegible] MC IN 27 SECONDS. AUGUST, 1963

TABLE 61

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																					26	26	32	38
	CNT																					16	12	10	9

SWEEP 1.0 MC TO 25.0 MC IN 31.5 SECONDS.

AUGUST, 1963

TABLE 62

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED		21	16	24	21		27	28													60			
	CNT	15	17	10	17	17	24	27	28	7	23	28	25		4	6	27	23	23	2	4		4	6	1

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS.

JULY, 1963

TABLE 63

BOULDER, COLORADO (40.0N, 105.3W) TIME 105.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	48	45	45	44																				
	CNT	18	17	15	14																				

SWEEP 0.25 MC TO 20.0 MC IN 27 SECONDS.

JULY, 1963

TABLE 64

LA PAZ, BOLIVIA (16.5S, 68.1W) TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	26	28	31	24	27	23	24	20	22	30	45	48	52	52	50	49	48	44	39	38	36	29	26	35
	CNT	8	6	6	12	10	9	6	8	14	16	14	15	17	16	16	21	21	21	21	16	16	12	8	9

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS.

JULY, 1963

TABLE 65

CONCEPCION, CHILE (36.6S, 73.0W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	27	27	27	27	27	22	[illegible]	34	47	50	54	57	57	57	60	58	55	51	40	38	34	29	26	25
	CNT	26	25	27	28	25	27	23	29	29	31	31	31	31	30	31	31	31	31	31	31	30	31	28	31
	UQ	29	28	28	30	32	25	25	36	52	54	60	71	67	64	64	61	63	56	48	40	38	32	28	28
	LQ	23	24	24	25	25	[illegible]	27	32	44	47	[illegible]	53	52	54	54	53	[illegible]	47	37	34	28	25	23	23
h'F2	MED										240	255	240	248	260	250	240	230							
	CNT									3	14	20	29	26	26	25	28	8							
	UQ										250	265	250	250	265	260	250	245							
	LQ										[illegible]	240	238	235	240	240	220	230							
h'F	MED	300	295	290	250	240	220	268	225	220	210	[illegible]	202	198	185	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	235	[illegible]	[illegible]	305
	CNT	27	29	29	29	29	28	22	29	29	31	29	30	[illegible]	30	28	29	3	31	31	31	31	31	28	[illegible]
	UQ	[illegible]	308	300	282	[illegible]	262	[illegible]	[illegible]	230	230	[illegible]	220	[illegible]	195	[illegible]	235	230	220	230	240	250	262	300	320
	LQ	280	270	275	[illegible]	220	205	[illegible]	220	[illegible]	190	188	190	180	175	180	[illegible]	220	210	205	[illegible]	220	230	258	290
M(3000)F2	MED	330	305	335	[illegible]	[illegible]	[illegible]	322	355	370	370	360	370	370	360	352	365	370	360	350	340	330	330	320	298
	CNT	25	25	27	27	25	27	[illegible]	29	29	31	[illegible]	31	31	30	30	31	31	31	30	[illegible]	30	[illegible]	28	30
	UQ	[illegible]	31	[illegible]	34	360	370	34	365	38	380	370	380	380	370	370	380	375	375	360	350	350	340	325	310
	LQ	290	285	300	305	320	315	310	345	358	355	350	350	360	350	340	350	360	350	320	325	310	315	300	290
foF1	MED																								
	CNT																								
foE	MED									[illegible]	240	220	280	290	280	270	240	200							
	CNT									[illegible]	22	22	20	20	19	14	14	14							
h'E	MED									119	110	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT									17	30	2	29	31	30	24	19	14							
foEs	MED	[illegible]	16	[illegible]	17	19	18	24	[illegible]	25	[illegible]	33	36	36	35	[illegible]	[illegible]	24	26	28	[illegible]	26	32	35	24
	CNT	20	23	27	27	28	26	8	13	29	31	31	31	31	31	30	31	[illegible]	23	21	15	14	9	14	12

SWEEP 0.25 MC TO 20.0 MC IN 31.5 SECONDS. JULY, 1963

TABLE 66

GODHAVN, GREENLAND (69.3N, 53.5W) TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	40	40	41	40	40	42	38	39	46	48	48	49	53	49	50	48	49	48	50	46	45	43	43	39
	CNT	20	25	26	21	18	16	17	15	6	12	16	16	6	5	17	20	17	15	8	8	12	12	13	13
	UQ	42	44	44	43	43	45	43	44	52	50	50	52	56	56	54	50	52	50	50	50	48	48	44	44
	LQ	36	36	35	37	37	38	34	37	42	43	46	48	49	44	46	46	46	45	46	44	44	42	40	38
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	34			22	21	25	26	24		22	22	30			48	44	47	44	D 72	D 58				
	CNT	8	4	3	16	24	24	26	28	4	26	27	23	1	2	23	25	21	20	10	7	3	4	2	

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS. JUNE, 1963

TABLE 67

COLLEGE (FAIRBANKS), ALASKA (64.9N, 147.8W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	38	[illegible]	[illegible]	40	43	44	45	46	47	48	48	47	48	47	45	46	46	46	46	46	45	38	39	38
	CNT	18	[illegible]	12	15	16	16	18	21	24	23	24	23	22	23	25	24	23	24	24	25	23	[illegible]	21	[illegible]
	UQ	39	43	[illegible]	43	46	48	[illegible]	48	49	[illegible]	51	49	[illegible]	49	48	49	[illegible]	48	48	49	48	46	46	49
	LQ	36	38	37	[illegible]	[illegible]	[illegible]	42	[illegible]	41	43	42	42	44	[illegible]	42	[illegible]	[illegible]	44	44	43	40	36	[illegible]	[illegible]
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	315	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	14	[illegible]	[illegible]	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	322	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	338	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	285	272	262	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	265	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	305	[illegible]	300	[illegible]
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	36	34	[illegible]	34	[illegible]	27	[illegible]	28	[illegible]	32	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	25	[illegible]	[illegible]	[illegible]	23	24	22	22	22	22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	23	23	[illegible]	[illegible]	[illegible]	28	[illegible]	23	14

SWEEP [illegible] MC TO 25.0 MC IN [illegible] SECONDS. [illegible]

TABLE 68

NARSSARSSUAQ, GREENLAND (61.2N, 45.4W) TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	36	32	33	[illegible]	39	40	42	43	44	44	45	47	48	48	48	48	48	47	47	[illegible]	44	40	37	37
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13	[illegible]	19	24	16	27	28	[illegible]	29	27	28	28	26	27	26	24	19	15	15
	UQ	38	44	34	36	[illegible]	42	43	[illegible]	[illegible]	48	43	[illegible]	[illegible]	53	52	52	51	[illegible]	[illegible]	50	[illegible]	46	[illegible]	39
	LQ	[illegible]	[illegible]	[illegible]	34	[illegible]	[illegible]	38	[illegible]	42	[illegible]	[illegible]	42	46	44	44	45	46	45	44	[illegible]	40	37	35	32
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	34	34	[illegible]	[illegible]	38	34	[illegible]	31	[illegible]	32	[illegible]	[illegible]	[illegible]	[illegible]	33	31	30	35	[illegible]	35	35	42	37
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21	[illegible]	23	[illegible]	[illegible]	27	27	25	[illegible]	[illegible]	[illegible]	[illegible]	29	[illegible]	26	24	24	28

SWEEP [illegible] SECONDS. [illegible] 1963

TABLE 70

[illegible], COLORADO (40.0°N, 105.3°W) TIME 105.0°W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 0.25 MC TO 20. MC IN 27 SECONDS. JUNE, 1963

TABLE [illegible]

[illegible] TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. JUNE, 1963

TABLE 71

TARAPA, PERU (-0.65, 81.3W) TIME 75.0°W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. JUNE, 1963

TABLE 73

LA PAZ, BOLIVIA (16.5S, 68.1W) TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	47	42	39	38	31	26	22	35	63	73	77	73	72	70	72	72	72	71	73	65	58	57	56	52
	CNT	23	22	20	21	17	19	16	21	19	21	21	21	21	21	26	28	28	27	27	23	24	25	22	22
	UQ	54	51	48	42	36	29	26	38	65	76	84	[illegible]	77	76	78	77	80	76	77	72	66	64	58	56
	LQ	42	40	34	33	25	22	18	32	58	68	72	[illegible]	66	68	70	68	68	66	65	57	52	53	49	44
h'F2	MED										290	305	345	360	355	350	340	290							
	CNT								1		13	19	17	19	20	17	14	5							
	UQ										300	320	355	380	375	375	360	318							
	LQ										285	290	320	340	342	335	330	278							
h'F	MED	235	230	235	240	245	250	290	255	230	210	205	200	200	190	192	195	200	215	250	250	235	230	235	230
	CNT	24	22	21	21	19	20	13	22	19	21	21	21	17	20	24	26	22	22	23	20	24	25	23	23
	UQ	240	240	245	258	260	270	320	260	235	222	215	210	200	200	200	200	210	230	255	268	250	238	240	240
	LQ	228	220	222	225	220	235	258	250	[illegible]	200	198	185	190	185	182	190	200	200	245	235	225	225	225	225
M(3000)F2	MED	340	338	338	335	330	330	318	320	330	305	295	280	270	270	270	275	275	280	295	295	315	315	330	330
	CNT	23	22	[illegible]	21	17	18	16	[illegible]	19	21	21	20	20	18	25	25	26	25	25	20	20	21	19	22
	UQ	345	345	345	350	345	340	328	[illegible]	345	332	315	290	288	280	280	285	285	290	305	315	328	325	335	340
	LQ	325	330	322	315	322	320	305	302	320	292	285	265	268	265	270	268	260	270	285	280	300	302	320	320
foF1	MED											420	430	440	440	425									
	CNT								1		1	7	10	17	16	12	4								
foE	MED								145	225	28	300	322				312	285	225						
	CNT								6	16	11	6	6	4		3	6	10	11	2					
h'E	MED									115	[illegible]	110	110	[illegible]	106	[illegible]	[illegible]	[illegible]	115						
	CNT								3	16	19	19	11	11	12	12	20	22	17						
foEs	MED	30	24	25	26	25	25		15	23	34	48	48	[illegible]	[illegible]	48	48	46	44	22	32	32	28	26	32
	CNT	11	7	7	7	4	5	4	17	19	21	21	21	21	22	26	28	28	28	23	14	10	11	9	10

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. JUNE, 1963

TABLE 74

CONCEPCION, CHILE (36.6S, 73.0W) TIME 75.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	26	27	27	26	28	25	22	37	51	54	58	64	62	60	64	60	60	53	39	36	34	30	26	26
	CNT	23	25	23	25	25	25	25	26	27	29	28	28	27	26	26	26	27	26	25	24	26	26	25	23
	UQ	27	28	28	30	31	28	24	38	54	59	62	69	67	65	67	69	68	65	46	40	39	31	28	28
	LQ	24	25	26	24	24	22	18	34	47	[illegible]	53	56	56	56	57	56	56	46	36	34	30	27	24	25
h'F2	MED										230	240	240	240	245	250	230								
	CNT									3	7	21	23	23	21	22	16	3							
	UQ										240	255	250	250	260	260	235								
	LQ										220	230	230	235	230	240	220								
h'F	MED	315	295	285	260	240	210	250	220	220	220	220	235	200	192	[illegible]	225	220	210	[illegible]	240	240	242	278	302
	CNT	26	27	27	27	27	27	27	27	27	24	25	24	26	22	24	23	26	26	25	24	26	26	26	24
	UQ	330	320	300	280	270	245	300	230	225	230	230	220	220	215	235	230	230	220	235	260	260	280	295	320
	LQ	295	280	260	235	230	200	230	215	200	210	210	190	190	175	[illegible]	220	[illegible]	200	205	225	220	230	250	280
M(3000)F2	MED	290	300	305	320	330	365	325	350	380	370	365	370	355	365	352	370	370	362	340	330	330	325	310	300
	CNT	23	25	22	25	25	24	25	26	27	29	28	28	27	26	26	26	27	26	24	23	26	26	23	23
	UQ	300	308	320	[illegible]	358	[illegible]	348	360	385	380	380	380	375	380	365	380	380	370	360	340	345	350	320	300
	LQ	280	290	300	310	315	322	308	340	365	360	352	360	340	340	350	350	345	350	322	320	320	310	300	290
foF1	MED																								
	CNT																								
foE	MED									200	[illegible]	270	285	[illegible]	180	165	235	190							
	CNT								1	20	23	21	16	19	[illegible]	[illegible]	16	5							
h'E	MED									118	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	118	127							
	CNT								1	23	29	28	[illegible]	[illegible]	[illegible]	[illegible]	18	6							
foEs	MED	23	18					26	22	23	[illegible]	34	36	[illegible]	[illegible]	30	[illegible]	24	26	24	26	[illegible]	21	23	28
	CNT	12	18	23	24	23	[illegible]	[illegible]	8	25	[illegible]	28	28	27	27	[illegible]	27	24	28	[illegible]	16	17	14	13	12

SWEEP 1.0 MC TO 25.0 MC IN 31.5 SECONDS. JUNE, 1963

TABLE 75

GODHAVN, GREENLAND ([illegible]) TIME 45.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	38	39	[illegible]	[illegible]	[illegible]	[illegible]	48	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	44	[illegible]	44	44	43	43	41
	CNT	19	24	21	26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	41	44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	44	[illegible]	[illegible]
	LQ	36	[illegible]	34	[illegible]	[illegible]	[illegible]	36	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	44	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED				[illegible]	18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			44	[illegible]	[illegible]	48						
	CNT	11	[illegible]	[illegible]	[illegible]	17	[illegible]	[illegible]	24	[illegible]	11	13	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]		

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS. MAY, 1963

TABLE 76

BOULDER, COLORADO ([illegible]) TIME 105.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	34	42	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	45	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	38	35
	CNT	[illegible]	[illegible]	[illegible]	18	14	[illegible]	18	19	[illegible]	[illegible]	[illegible]	18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18
	UQ	[illegible]	34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	57	[illegible]	58	58	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	58	[illegible]	[illegible]	[illegible]	48	39
	LQ	[illegible]	26	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	48	48	[illegible]	48	48	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	54	[illegible]	[illegible]	32
h'F2	MED							[illegible]	372	[illegible]	[illegible]	384	[illegible]	[illegible]	[illegible]	[illegible]	462	[illegible]	[illegible]	[illegible]					
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	UQ							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	LQ							284	324	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
h'F	MED	288	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	244	[illegible]	[illegible]	[illegible]	[illegible]	300
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	250
M(3000)F2	MED	[illegible]	290	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	300
	CNT	[illegible]	13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13
	UQ	[illegible]	300	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	305
	LQ	[illegible]	285	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	285
foF1	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
foE	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT						[illegible]		[illegible]	[illegible]			[illegible]	[illegible]			[illegible]	[illegible]							
h'E	MED						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT						[illegible]	[illegible]	[illegible]					[illegible]											
foEs	MED	44	[illegible]	34	34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	38	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	35
	CNT	[illegible]	13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP [illegible] SECONDS. MAY, 1963

LA PAZ, BOLIVIA (16.5S, [illegible]) [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h F2	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	UQ									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	LQ									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foF1	MED											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
foE	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
h'E	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. MAY, 1963

TABLE 78

[illegible], FRANCE (48.1N, 2.3E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	54	56	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	42	38
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h F2	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	27
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	285	285
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	5
	UQ																								
	LQ																								
foF1	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT							[illegible]	2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	[illegible]	1						
foE	MED							195	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3			[illegible]
h'E	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26	[illegible]	23	[illegible]			1
foEs	MED	16	14		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	31	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17	20
	CNT	10	10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	7	7

SWEEP 1.4 MC TO 17.0 MC. APRIL, 1963

GENOVA (MONTE CAPE[illegible]) [illegible] TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
h'E	MED																								
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible] MINUTES, AUTOMATIC. APRIL, 1963

*Observations taken April 9 through 30 only.

TABLE 80

DAKAR, SENEGAL (14.7N, 17.4W) TIME 15.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	41	[illegible]	[illegible]	[illegible]	28	[illegible]	37	55	[illegible]	[illegible]	76	78	82	88		[illegible]	[illegible]	130	133	62	51	40	52	33
	CNT	[illegible]	9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1		[illegible]	[illegible]	[illegible]	[illegible]	2	[illegible]	8	13	11
	UQ																								
	LQ																								
h F2	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	345	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	UQ																								
	LQ																								
h'F	MED	320	290	[illegible]	[illegible]	[illegible]	228	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	230	198	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	318	332	340
	CNT	18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	27	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	22	22	24
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]				[illegible]	[illegible]	340	295	282	272	275
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					[illegible]	[illegible]	[illegible]	4	8	10	6
	UQ																								
	LQ																								
foF1	MED								[illegible]		[illegible]	[illegible]	460	[illegible]	460	450	460								
	CNT								1		1	11	20	21	20	[illegible]	[illegible]								
foE	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	250	[illegible]					
	CNT				[illegible]	1	1	[illegible]	[illegible]	[illegible]		[illegible]	1	2	[illegible]	1	[illegible]	[illegible]	7	12	8	8	2		
h'E	MED								115	[illegible]	[illegible]	108	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	2	[illegible]	4	[illegible]	14	17	6	8	9	2		
foEs	MED	22	29	23	[illegible]	20	[illegible]	[illegible]	42	[illegible]	[illegible]	45	[illegible]	[illegible]	[illegible]	[illegible]	34	[illegible]	40	[illegible]	24	23	25	30	21
	CNT	[illegible]	21	[illegible]	[illegible]	22	[illegible]	22	[illegible]	[illegible]	26	[illegible]	24	24	[illegible]	23	21	25	[illegible]	20	20	[illegible]	18	17	17

SWEEP 1.2 MC TO 17.0 MC. APRIL, 1963

TABLE 81

DJIBOUTI, FRENCH SOMALILAND (11.[illegible]N, 42.[illegible]E) TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	67	68	57	[illegible]	37	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	4	4	3	15	11	15	26	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT								14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	UQ																								
	LQ																								
h'F	MED	282	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18	20	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT											[illegible]	[illegible]	[illegible]	[illegible]				[illegible]						
foE	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
h'E	MED							[illegible]	[illegible]	[illegible]	[illegible]	110	110	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.25 MC TO 20.0 MC. APRIL, 1963

TABLE 82

[illegible], BOLIVIA (16.5[illegible], 68.[illegible]W) TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	86	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	74	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	14	15	17	[illegible]	[illegible]	[illegible]	18	[illegible]	[illegible]	21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15
	UQ	89	88	85	[illegible]	[illegible]	44	36	[illegible]	77	[illegible]	94	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	84
	LQ	[illegible]	72	[illegible]	48	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED										282	292	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	UQ										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	LQ										[illegible]	288	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	248	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	230
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	16	[illegible]	[illegible]	[illegible]	18	[illegible]	14	[illegible]	[illegible]	[illegible]	[illegible]	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	20
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	225
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	292	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	320
	CNT	[illegible]	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13
	UQ	335	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	330
	LQ	[illegible]	330	340	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	268	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	310
foF1	MED												[illegible]	[illegible]	[illegible]										
	CNT											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									
foE	MED									[illegible]	[illegible]	[illegible]							[illegible]	[illegible]					
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
h'E	MED									111	[illegible]		[illegible]				[illegible]	[illegible]	[illegible]						
	CNT									[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
foEs	MED	50	50	40	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	17	14	10		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	22

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. APRIL, 1963

TABLE [illegible]

TAHITI, SOCIETY IS. (17.7S, 149.3W) TIME 150.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									
	CNT											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]									
foE	MED						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]	[illegible]						
	CNT						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]	[illegible]						
h'E	MED						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.2 MC TO 17.0 MC. APRIL, 1963

TABLE [illegible]

TANANARIVE, MALAGASY REPUBLIC (18.8S, 47.5E) TIME 45.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
foE	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'E	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.25 MC [illegible] MC. APRIL, 1963

TABLE 85

LA PAZ, BOLIVIA (16.5S, 68.1W) TIME 60.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	68	[illegible]	[illegible]	86	[illegible]	[illegible]	78	[illegible]	84	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	8	13	[illegible]	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	76	76	77	56	42	42	[illegible]	54	73	86	[illegible]	[illegible]	[illegible]	86	86	88	[illegible]	[illegible]	[illegible]	[illegible]	82	81	[illegible]	82
	LQ	64	64	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	84	74	74	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
h'F2	MED										[illegible]	[illegible]	335	340	[illegible]	[illegible]	[illegible]								
	CNT									4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]							
	UQ										[illegible]	335	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	LQ										[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
h'F	MED	275	268	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	16	18	24	24	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ	[illegible]	[illegible]	262	[illegible]	240	[illegible]	[illegible]	245	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	LQ	255	[illegible]	[illegible]	[illegible]	240	250	245	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	208	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	242
M(3000)F2	MED	292	310	350	340	330	330	328	340	345	335	310	252	260	255	252	252	265	270	275	280	270	270		290
	CNT	12	8	12	17	17	21	18	21	21	21	15	18	17	21	20	24	17	16	14	16	13	8	4	11
	UQ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
	LQ	[illegible]	[illegible]	335	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]
foF1	MED											[illegible]	[illegible]	[illegible]	450	450									
	CNT											[illegible]	14		[illegible]	8	4								
foE	MED								[illegible]	[illegible]	[illegible]									215					
	CNT								[illegible]	[illegible]	[illegible]		3	4	[illegible]	[illegible]	[illegible]	[illegible]	4	[illegible]					
h'E	MED								[illegible]	[illegible]	[illegible]							[illegible]	[illegible]	[illegible]					
	CNT								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]			[illegible]	[illegible]	13	16	5					
foEs	MED	45	46	40	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	48	[illegible]	[illegible]	[illegible]	48
	CNT	19	17	13	6	6	13	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	16	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1

SWEEP 1.0 MC TO 25.0 MC IN 27 SECONDS. MARCH, 1963

TABLE 86

RAROTONGA, COOK IS. (21.2S, 159.8W) TIME 165.0W

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	57	44	43	[illegible]	[illegible]	44	61	74	82	90	[illegible]	[illegible]	[illegible]	[illegible]	83	[illegible]	[illegible]	80	76	71	68	62	63
	CNT	20	21	23	23	22	23	25	25	26	26	25	26	27	[illegible]	[illegible]	23	[illegible]	22	24	19	18	17	21	19
	UQ																								
	LQ																								
h'F2	MED								300	290	300	330	320	300	300	[illegible]	300	300	[illegible]	[illegible]					
	CNT								16	26	26	25	25	27	27	[illegible]	25	26	23	3					
	UQ																								
	LQ																								
h'F	MED	250	220	230	[illegible]	300	300	250	240	220	210	200	220	200	200	210	230	240	250	[illegible]	250	250	260	270	250
	CNT	25	24	[illegible]	[illegible]	[illegible]	21	25	23	21	16	19	18	16	18	18	16	16	[illegible]	22	14	27	27	26	25
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	320	310	320	350	350	350	340	340	340	340	340	335	330	330	330	335	340	330	320	320	330
	CNT	21	21	23	23	22	[illegible]	25	25	26	26	25	26	27	26	26	22	25	22	24	19	18	17	21	19
	UQ																								
	LQ																								
foF1	MED								400	430	440	450	460	450	450	440	430	420	390						
	CNT								4	23	16	21	18	19	22	20	21	14	3						
foE	MED							190	260	300	320	330	360	350	[illegible]	340	320	280	240	180					
	CNT							8	7	6	6	7	8	13	10	14	11	7	9	3					
h'E	MED							100	100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	100	[illegible]	100	100	110					
	CNT							14	19	23	[illegible]	16	17	23	24	25	23	24	24	6					
foEs	MED	26	26	J 25	J 27	J 27	J 25	J 30	J 40	J 46	J 52	J 45	J 47	45	44	43	44	J 43	J 42	J 33	J 32	J 34	J 31	J 30	J 28
	CNT	26	25	25	23	23	25	24	25	25	26	24	26	27	27	27	26	27	27	27	26	26	26	26	25

SWEEP 1.0 MC TO 22.0 MC IN 7 SECONDS. FEBRUARY, 1963

TABLE 87

HOBART, TASMANIA [illegible] TIME 150.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	33																				
	CNT	[illegible]	[illegible]	7	[illegible]	3	3	2	[illegible]		1			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1					2	4
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	300	320	315	335																				
	CNT	5	6	7	6	3		2	1				1	1	2									2	4
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 1 MINUTE 55 SECONDS. FEBRUARY, 1963

TABLE 88

JULIUSRUH/RUGEN, GERMANY (54.6N, 13.4E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	28	29	28	27	23	21	21	20	32	48	55	54	58	60	57	49	45	[illegible]	30	25	22	23	26	28
	CNT	26	[illegible]	[illegible]	25	27	28	28	28	28	30	29	25	25	30	30	29	[illegible]	[illegible]	30	31	30	27	29	27
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	F 295	[illegible]	265	280	270	270	250	280	225	220	220	220	220	225	220	215	210	215	230	E 250	F 300	F 300	E 300	E 300
	CNT	[illegible]	[illegible]	31	[illegible]	[illegible]	28	[illegible]	23	28	31	30	30	28	29	31	30	30	30	30	29	25	29	30	27
	UQ																								
	LQ																								
M(3000)F2	MED	300	305	310	305	305	310	325	335	330	350	350	340	350	350	355	355	350	335	325	330	310	310	300	305
	CNT	26	25	24	24	26	27	27	22	28	27	23	22	24	28	30	29	28	30	29	31	27	25	26	23
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED										200	220	235	245	250	235	210								
	CNT										6	13	17	13	12	16	10								
h'E	MED																								
	CNT																								
foEs	MED	F 17	F 15	E 14	E 14	E 14	E 14	E 17	E 17	E 17	22	25	25	27	25	22	21	17	E 17	E 17	E 17	E 17	E 17	E 17	E 17
	CNT	31	31	31	31	30	30	30	29	29	24	16	20	19	14	15	20	18	28	29	31	31	31	31	31

SWEEP 0.5 MC TO 20.0 MC IN 25 SECONDS. JANUARY, 1963

TABLE 89

LINDAU/HARZ, GERMANY (51.6N, 10.1E) TIME 15.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	30	31	30	[illegible]	25	22	23	[illegible]	31	[illegible]	[illegible]	[illegible]	60	58	[illegible]	[illegible]	48	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	[illegible]
	CNT	23	[illegible]	26	24	[illegible]	[illegible]	[illegible]	24	[illegible]	[illegible]	41	[illegible]	30	[illegible]	31	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED												[illegible]	342	[illegible]	[illegible]									
	CNT												[illegible]	1	1	[illegible]									
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	248	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	41	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	41	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED												[illegible]	[illegible]	[illegible]	[illegible]									
	CNT													[illegible]	[illegible]	1									
foE	MED											[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
h'E	MED											[illegible]	[illegible]	[illegible]		[illegible]	[illegible]								
	CNT									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 4 MINUTES. JANUARY, 1963

TABLE 90

PRUHONICE, CZECHOSLOVAKIA (50.0N, 14.6E) TIME 0.0

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	33	32	30	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	53	59	61	59	[illegible]	60	[illegible]	46	[illegible]	[illegible]	[illegible]	[illegible]	24	[illegible]	32	33
	CNT	31	31	31	[illegible]	28	[illegible]	23	[illegible]	29	31	29	31	30	[illegible]	[illegible]	[illegible]	[illegible]	28	[illegible]	[illegible]	[illegible]	[illegible]	23	22
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	210	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	210	220	230	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	29	[illegible]	[illegible]	[illegible]	17	[illegible]	[illegible]	[illegible]	26	18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	24	18	5	[illegible]	[illegible]	[illegible]	8
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED						[illegible]			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.0 MC TO 18.0 MC. JANUARY, 1963

TABLE 91

IBADAN, NIGERIA [illegible] TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]								
	CNT																								
foE	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 0.67 MC TO 25.0 MC IN 5 MINUTES, AUTOMATIC. JANUARY, 1963

TABLE [illegible]

LEOPOLDVILLE, [illegible] TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]																[illegible]
	CNT																								
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]																[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]																
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED								[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							
	CNT																								
foEs	MED																								
	CNT																								

[illegible] JANUARY, 1963

TABLE 93

PORT MORESBY, PAPUA (9.4S, 147.1E) TIME [illegible]

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	62	63	[illegible]	[illegible]	[illegible]	43	44	[illegible]	[illegible]	62	73	94	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	15	13	14	14	14	15	[illegible]	18	[illegible]	[illegible]	22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	220	240	250	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	195	190	[illegible]	175	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	240	[illegible]	270	250	230
	CNT	18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18	[illegible]	[illegible]	21	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	325	[illegible]	[illegible]	[illegible]	335	[illegible]	[illegible]	265	275	280	[illegible]	[illegible]	[illegible]	335	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	325
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	[illegible]	17	[illegible]	21	[illegible]	20	13	11	8	9
	UQ																								
	LQ																								
foF1	MED									[illegible]	44	[illegible]	[illegible]	[illegible]	450	440	[illegible]	430	400						
	CNT									[illegible]	14	[illegible]	[illegible]	[illegible]	13	12	12	18	13						
foE	MED								[illegible]	[illegible]	[illegible]	[illegible]	340	[illegible]	345	335	320	300	255						
	CNT								[illegible]	17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18	16	15	4					
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP [illegible] MC TO 25.0 MC IN 30 SECONDS.

JANUARY, 1963

TABLE 94

COCOS I. [illegible] TIME 90.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	44	[illegible]	41	[illegible]	31	[illegible]	53	[illegible]	75	[illegible]	92	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	83	[illegible]	72	[illegible]	62
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	14	14	13	24	[illegible]	[illegible]	[illegible]	[illegible]	25	[illegible]	[illegible]	24	24	[illegible]	24	24	[illegible]	24	[illegible]	21
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	240	245	260	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	220	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	295	[illegible]	[illegible]	[illegible]	240	250	[illegible]	245	250
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	13	14	[illegible]	22	24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14	[illegible]	[illegible]	[illegible]	24	23	[illegible]	20	19
	UQ																								
	LQ																								
M(3000)F2	MED	315	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	315	[illegible]	[illegible]	285	280	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	305	305	310	315	320
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	25	[illegible]	25	21	21	17	[illegible]	23	24	23	23	23	21	21
	UQ																								
	LQ																								
foF1	MED									[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	470	460	440	[illegible]	410						
	CNT									[illegible]	21	[illegible]	25	22	20	20	23	21	20	3					
foE	MED										325														
	CNT								3	4	[illegible]	4	2	[illegible]	3	1	2		1	2					
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.6 MC TO 20.0 MC IN 15 SECONDS.

JANUARY, 1963

TABLE 95

TOWNSVILLE, AUSTRALIA (19.3S, 146.7E) TIME 150.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	66	60	56	47	40	36	[illegible]	50	56	58	69	84	87	86	100	102	84	76	65	65	68	64	64	63
	CNT	19	14	18	16	[illegible]	[illegible]	[illegible]	22	[illegible]	16	19	20	23	22	[illegible]	19	23	26	26	24	21	22	22	19
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED	260	240	[illegible]	260	250	[illegible]	[illegible]	230	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	240	[illegible]	230	260	280	[illegible]	285	280
	CNT	24	21	21	19	21	23	24	[illegible]	12	[illegible]	13	7	8	7	9	8	15	15	11	[illegible]	21	[illegible]	[illegible]	27
	UQ																								
	LQ																								
M(3000)F2	MED	285	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	325	[illegible]	315	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	280	295	300	295	[illegible]	280	265	[illegible]	275	280
	CNT	8	7	12	9	14	[illegible]	[illegible]	[illegible]	23	[illegible]	15	12	19	[illegible]	8	12	17	19	19	17	13	19	9	14
	UQ																								
	LQ																								
foF1	MED								380	[illegible]	[illegible]	450	450	[illegible]	[illegible]	450	440	430	400	350					
	CNT							[illegible]	8	[illegible]	[illegible]	12	[illegible]	11	8	12	[illegible]	17	19	6					
foE	MED							[illegible]	215	[illegible]	[illegible]	340	350	[illegible]	360	340	320	300	270	F 100					
	CNT							14	[illegible]	15	13	8	8	[illegible]	12	7	9	[illegible]	10	19					
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN [illegible] SECONDS.

JANUARY, 196[illegible]

TABLE 96

BRISBANE, AUSTRALIA (27.5S, 152.9E) TIME 150.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	54	[illegible]	[illegible]	37	34	35	48	[illegible]	[illegible]	[illegible]	66	70	[illegible]	[illegible]	74	77	78	73	66	60	59	57	56	56
	CNT	12	12	[illegible]	16	[illegible]	[illegible]	[illegible]	[illegible]	18	[illegible]	17	[illegible]	23	23	25	27	26	27	26	23	21	19	14	11
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	305	[illegible]	295	[illegible]	305	[illegible]	[illegible]	[illegible]	[illegible]	305	[illegible]	[illegible]	290	295	300	[illegible]	315	315	295	285	285	280	285
	CNT	9	9	12	14	16	23	23	22	18	17	[illegible]	[illegible]	22	22	23	27	25	27	26	21	19	15	11	9
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 16.0 MC IN 1 MINUTE 55 SECONDS.

JANUARY, 1963

TABLE 97

WOOMERA, AUSTRALIA (31.0S, 136.8E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	52	46	40	36	30	33	43	53	57	58	59	59	60	62	63	65	66	63	59	59	56	54	53	52
	CNT	25	22	24	23	23	24	24	23	23	[illegible]	24	24	25	23	25	27	26	28	27	25	23	26	23	25
	UQ																								
	LQ																								
h'F2	MED								305	298	310	360	355	370	360	330	320	300	282	252					
	CNT							2	16	20	17	22	22	15	22	23	23	25	20	6					
	UQ																								
	LQ																								
h'F		F	F	F	F	F	F														F	F	F	F	E
	MED	272	250	255	260	260	258	250	225	218	[illegible]	205	205	198	[illegible]	215	215	218	225	24[illegible]	2[illegible]	260	270	280	280
	CNT	26	26	24	24	24	24	17	1[illegible]	8	4	4	11	8	[illegible]	11	11	11	7	14	16	27	27	27	26
	UQ																								
	LQ																								
M(3000)F2	MED																								
	CNT																								
	UQ																								
	LQ																								
foF1	MED								390	415	432	448	450	450	450	442	43[illegible]	415	390						
	CNT								13	16	16	[illegible]	2[illegible]	21	2[illegible]	22	[illegible]	2[illegible]	15	2					
foE	MED						12[illegible]	135	260	2[illegible]	318	33[illegible]	345	340	345	340	320	300	260	210					
	CNT						6	22	21	21	22	[illegible]	2[illegible]	[illegible]	15	17	[illegible]	2[illegible]	2[illegible]	18	2				
h'E	MED						125	115	1[illegible]	1[illegible]	[illegible]	105	[illegible]	[illegible]	[illegible]	105	105	105	105	115					
	CNT						6	2	26	26	25	27	27	26	26	27	27	26	26	25	[illegible]				
foEs	MED	31	26	27	24	29	2[illegible]	28	39	46	47	45	42	47	46	45	44	38	38	34	26	30	25	24	36
	CNT	27	27	27	27	27	27	27	26	26	26	27	26	27	27	28	28	28	28	28	28	28	28	28	28

SWEEP 0.7 MC TO 25.0 MC IN 5 MINUTES. JANUARY, 1963

TABLE 98

MUNDARING, WESTERN AUSTRALIA (32.0S, 116.2E) TIME 120.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	44	41	37	34	30	29	38	48	53	58	58	58	60	62	62	64	65	61	58	57	56	50	48	45
	CNT	25	23	23	22	20	21	25	23	23	16	17	23	26	26	26	25	27	29	26	27	22	24	24	27
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F			F	E	F	[illegible]																F		E	E
	MED	240	230	240	250	240	250	240	220	205	200	200	200	200	200	200	200	205	210	210	235	230	250	250	265
	CNT	19	14	17	18	[illegible]	23	23	17	18	17	10	11	10	10	11	10	15	14	15	14	14	20	22	18
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	300	310	310	315	315	320	320	320	310	300	330	295	300	295	310	315	315	310	315	300	300	300	300
	CNT	24	23	23	21	[illegible]	21	24	[illegible]	22	15	17	23	25	26	23	25	25	24	26	27	2[illegible]	23	24	24
	UQ																								
	LQ																								
foF1																				D					
	MED								360	400	420	430	440	450	450	440	430	420	400	340					
	CNT								[illegible]	2[illegible]	18	16	22	2[illegible]	21	2[illegible]	22	23	23	7					
foE	MED							190	24[illegible]	285	310	330	340	345	340	340	320	300	280	230	170				
	CNT							13	25	2[illegible]	19	16	[illegible]	17	22	21	23	22	25	20	7				
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.6 MC TO 20.0 MC IN 18 SECONDS. JANUARY, 1963

TABLE 99

SALISBURY, SOUTH AUSTRALIA (34.7S, 138.6E) TIME 135.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
h'F2	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT						[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	UQ																								
	LQ																								
h'F	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
M(3000)F2	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	UQ																								
	LQ																								
foF1	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
foE	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
h'E	MED							[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					
	CNT																								
foEs	MED	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	CNT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SWEEP 1.6 MC TO 20.0 MC IN 18 SECONDS. JANUARY, 1963

TABLE 100

CANBERRA, AUSTRALIA (35.3S, 149.0E) TIME 150.0E

HOUR		00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
foF2	MED	5[illegible]	44	4[illegible]	34	3[illegible]	3[illegible]	42	[illegible]	54	[illegible]	56	5[illegible]	58	[illegible]	[illegible]	58	6[illegible]	64	62	60	57	55	52	50
	CNT	29	28	26	29	27	28	27	27	22	23	24	26	28	27	25	24	28	29	28	28	28	29	29	30
	UQ																								
	LQ																								
h'F2	MED																								
	CNT																								
	UQ																								
	LQ																								
h'F	MED																								
	CNT																								
	UQ																								
	LQ																								
M(3000)F2	MED	3[illegible]	3[illegible]	300	300	300	31[illegible]	325	3[illegible]	[illegible]	[illegible]	310	315	305	300	310	300	315	3[illegible]	315	315	300	2[illegible]	285	290
	CNT	28	[illegible]	23	26	27	2[illegible]	27	[illegible]	14	17	15	19	14	11	1[illegible]	19	24	2[illegible]	24	16	25	24	20	25
	UQ																								
	LQ																								
foF1	MED																								
	CNT																								
foE	MED																								
	CNT																								
h'E	MED																								
	CNT																								
foEs	MED																								
	CNT																								

SWEEP 1.0 MC TO 25.0 MC IN 30 SECONDS. USCOMM-NBS-BL JANUARY, 1963

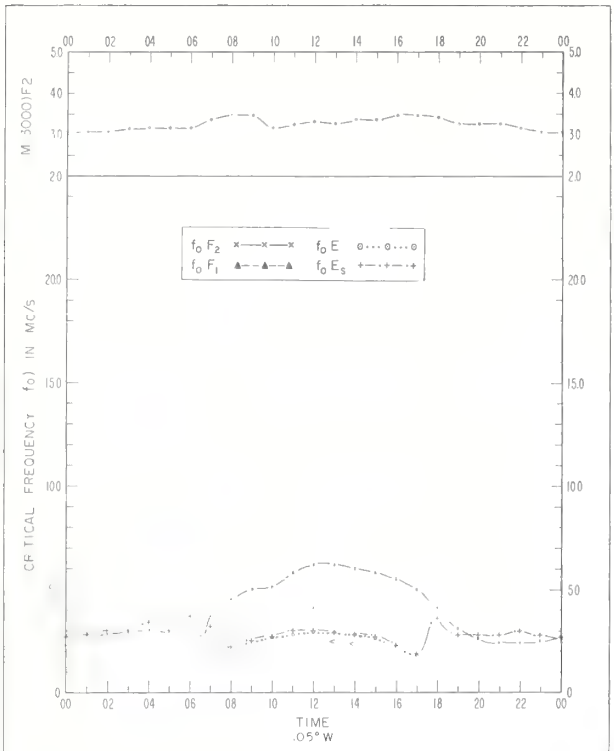

Fig 1. BOULDER, COLORADO
40.0° N, 105.3° W FEBRUARY 1964

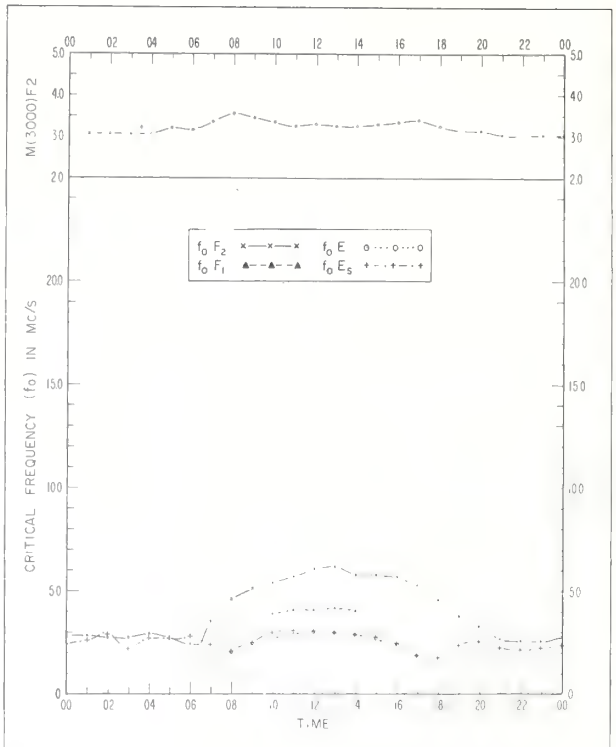

Fig. 2. FT. BELVOIR, VIRGINIA
38.7° N, 77.1° W FEBRUARY 1964

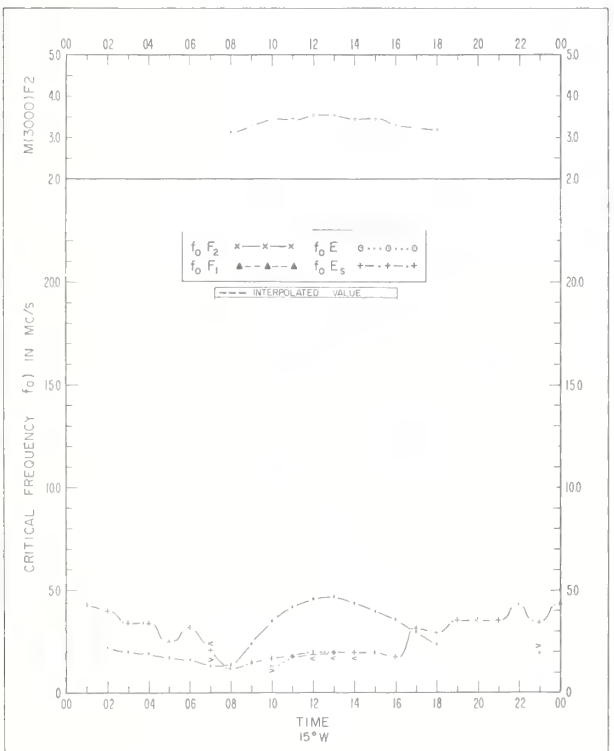

Fig. 3. REYKJAVIK, ICELAND
64.1° N, 21.8° W JANUARY 1964

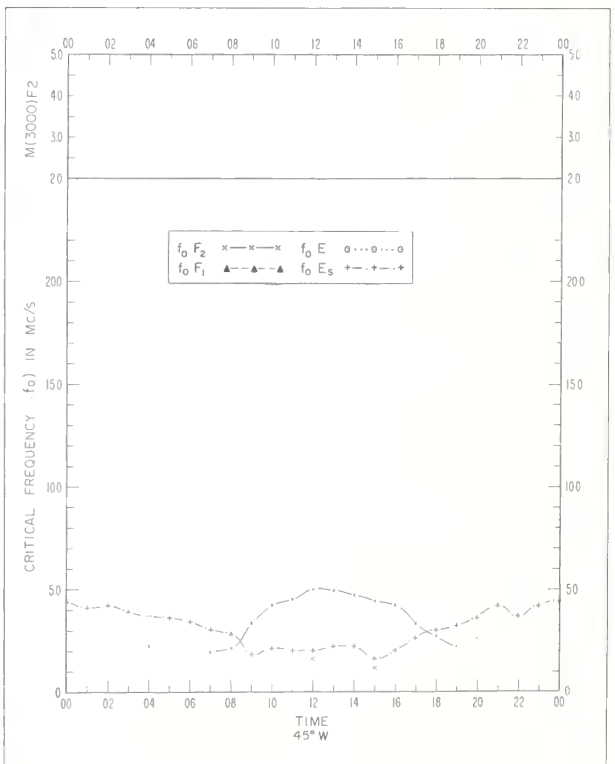

Fig. 4. NARSSARSSUAQ, GREENLAND
61.2°N, 45.4°W JANUARY 1964

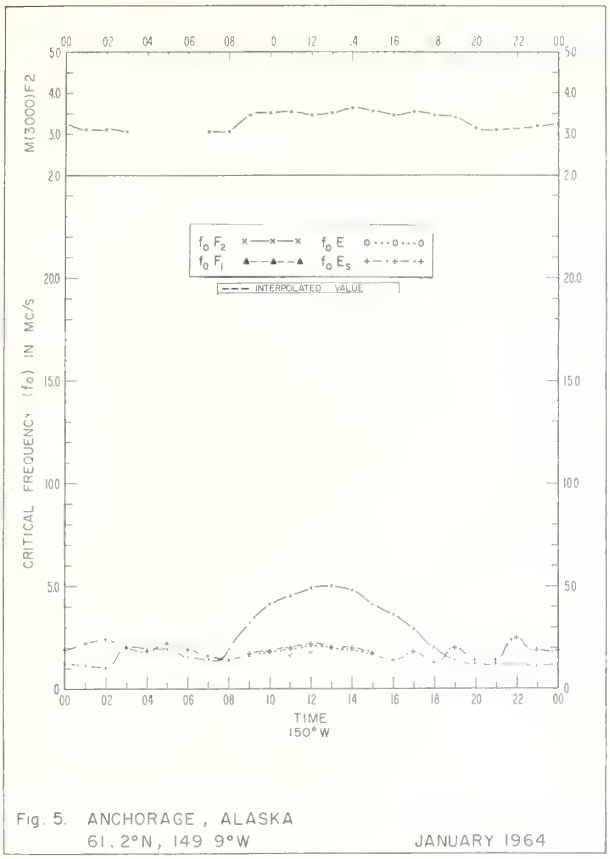

Fig. 5. ANCHORAGE, ALASKA
61.2°N, 149.9°W JANUARY 1964

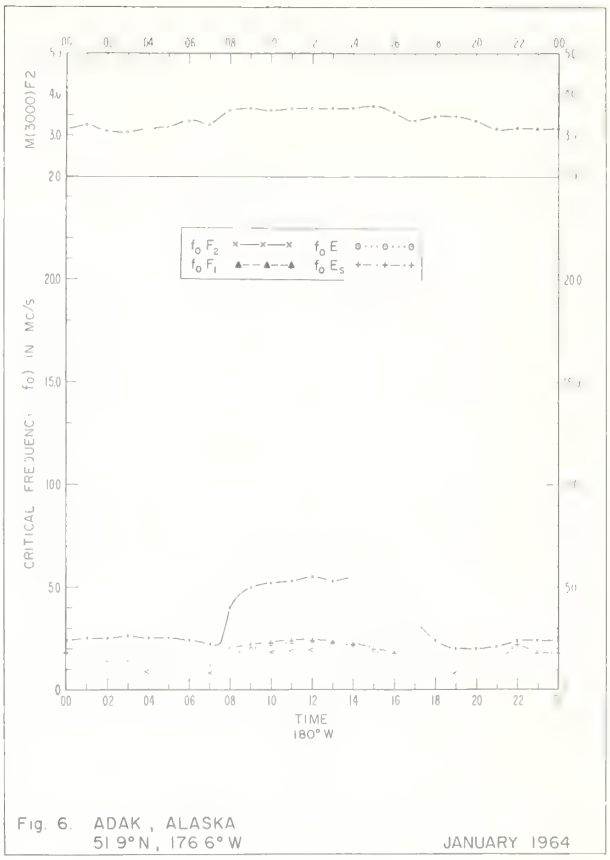

Fig. 6. ADAK, ALASKA
51.9°N, 176.6°W JANUARY 1964

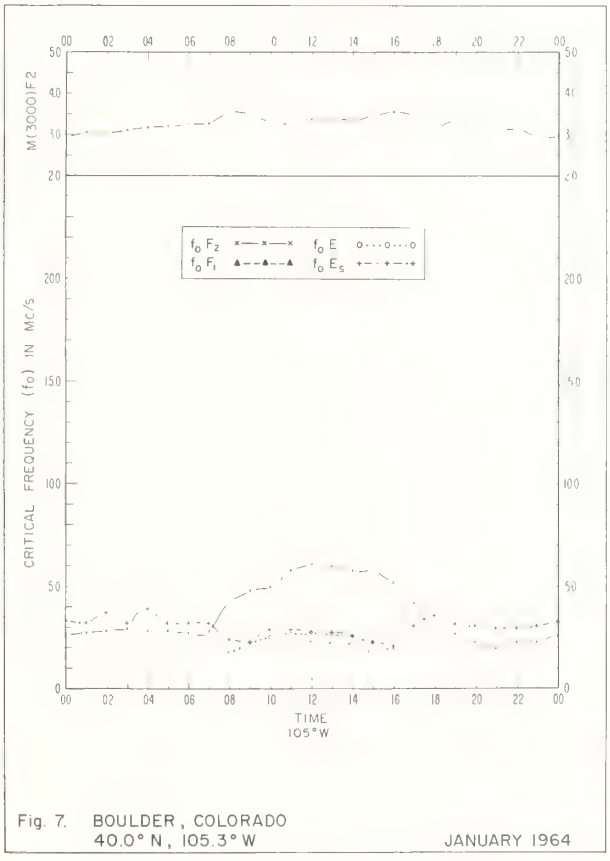

Fig. 7. BOULDER, COLORADO
40.0°N, 105.3°W JANUARY 1964

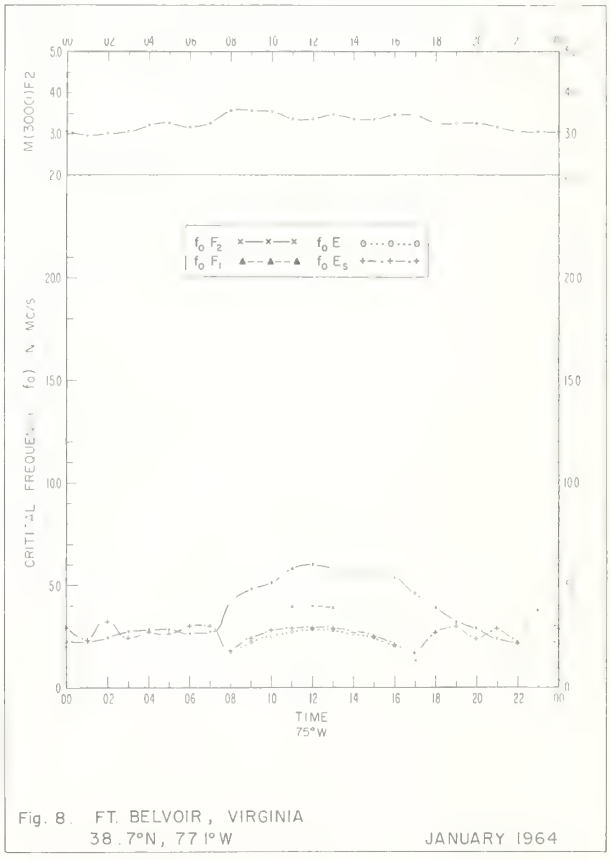

Fig. 8. FT. BELVOIR, VIRGINIA
38.7°N, 77.1°W JANUARY 1964

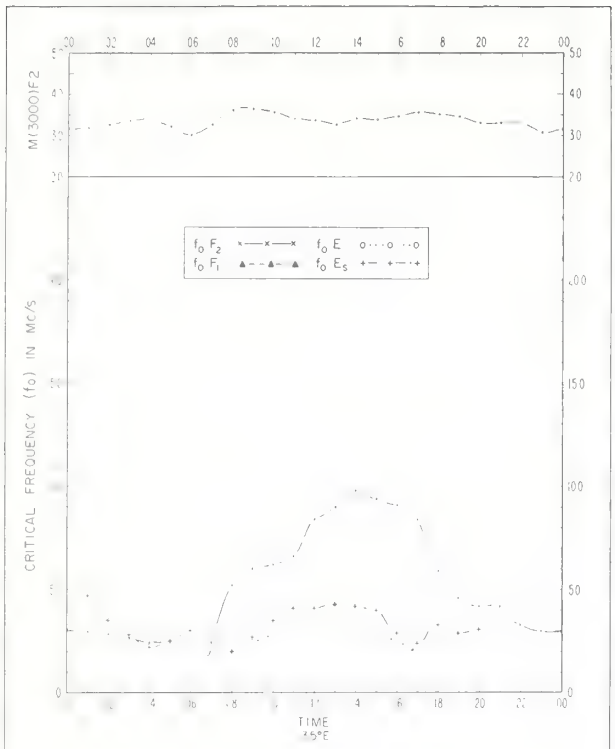

Fig. 9 OKINAWA I
26.3°N, 127.8°E JANUARY 1964

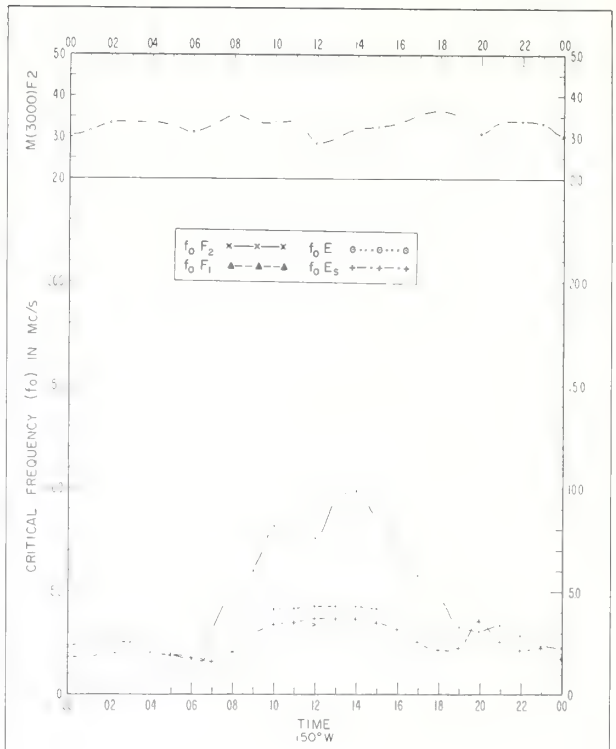

Fig. 10 MAUI, HAWAII
20.8°N, 156.5°W JANUARY 1964

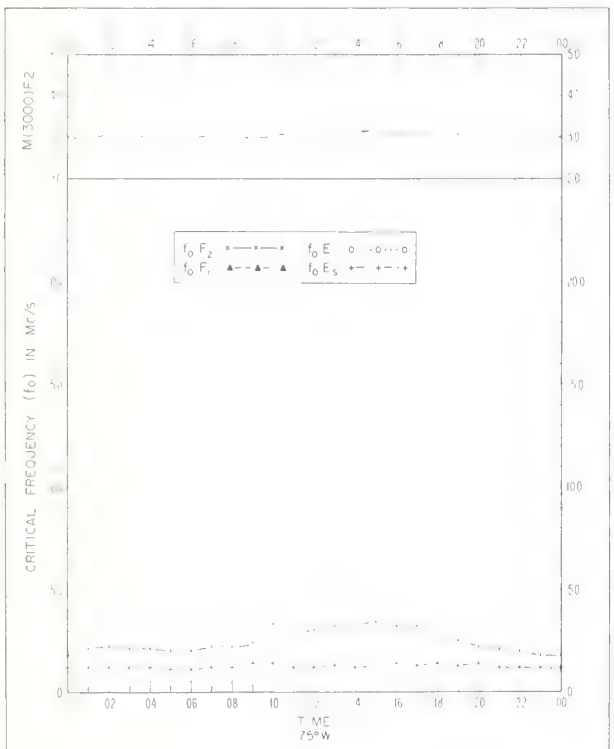

Fig. 11 THULE, GREENLAND
76.4°N, 68.3°W DECEMBER 1963

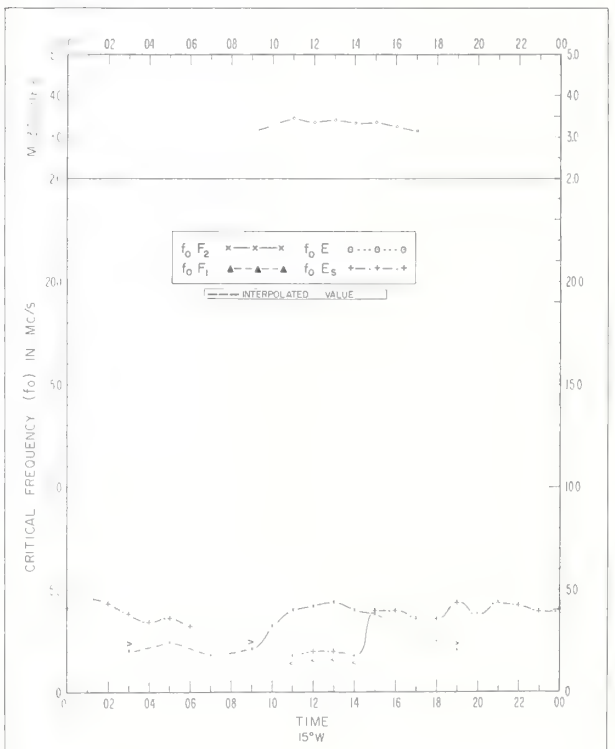

Fig. 12 REYKJAVIK, ICELAND
64.1°N, 21.8°W DECEMBER 1963

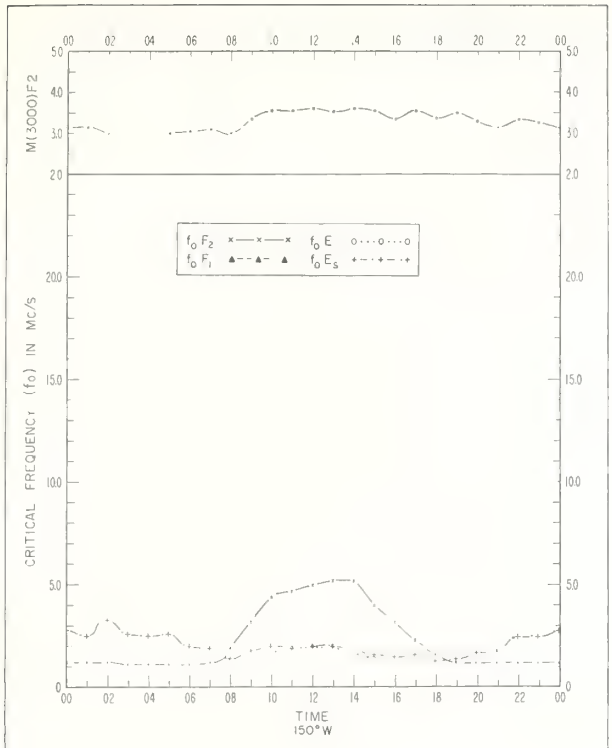

Fig. 13. ANCHORAGE, ALASKA
61.2°N, 149.9°W DECEMBER 1963

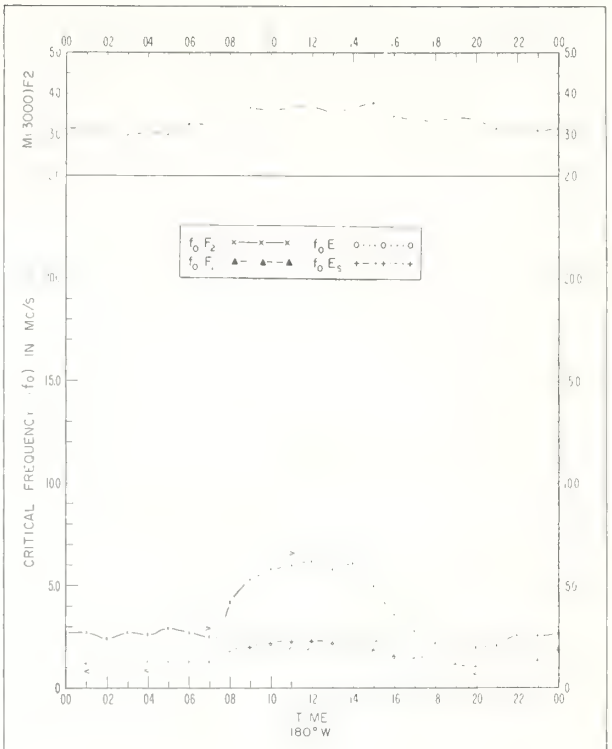

Fig. 14. ADAK, ALASKA
51.9°N, 176.6°W DECEMBER 1963

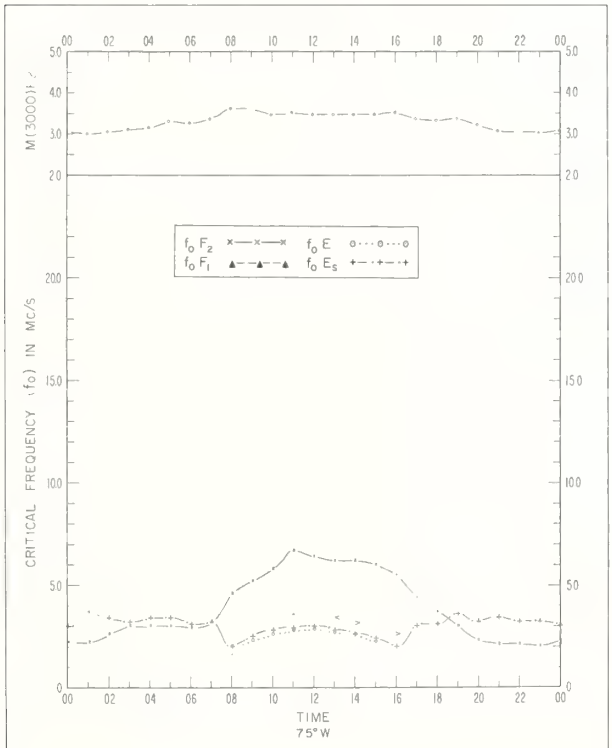

Fig. 15. FT. MONMOUTH, NEW JERSEY
40.4°N, 74.1°W DECEMBER 1963

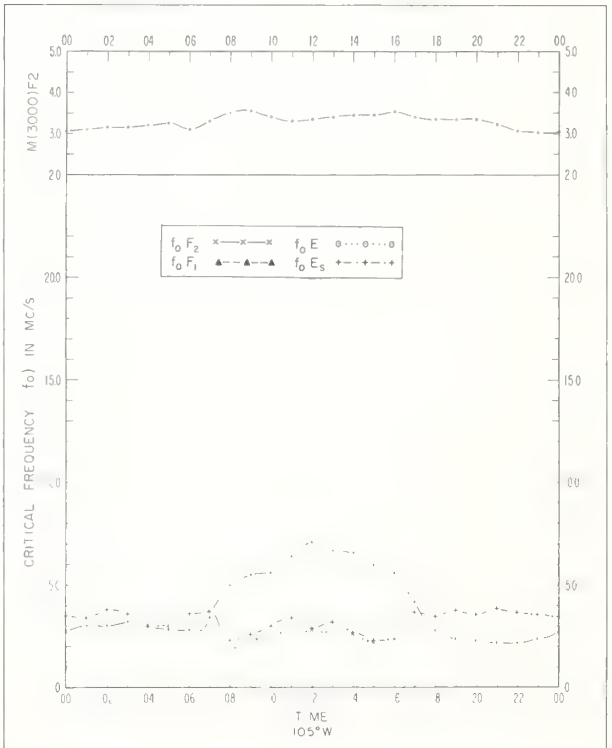

Fig. 16. BOULDER, COLORADO
40.0°N, 105.3°W DECEMBER 1963

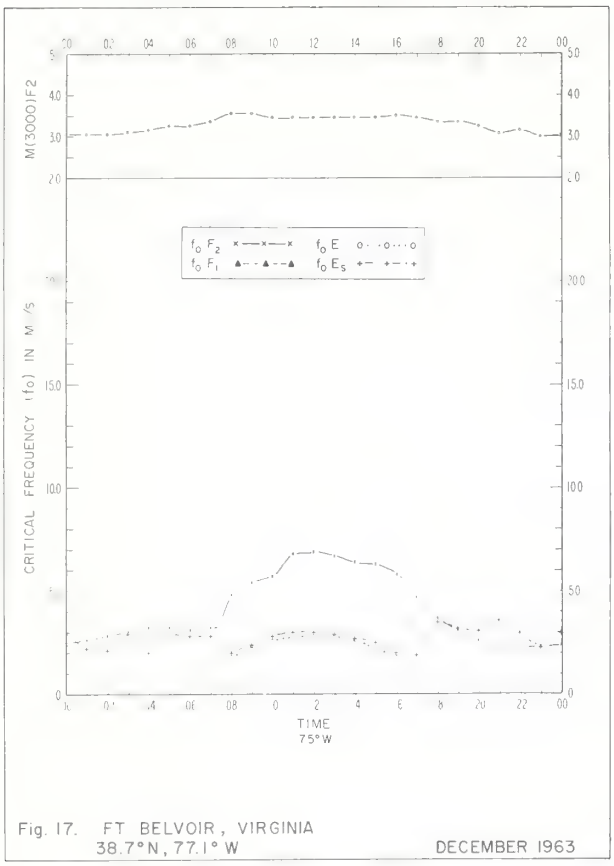

Fig. 17. FT BELVOIR, VIRGINIA
38.7°N, 77.1° W
DECEMBER 1963

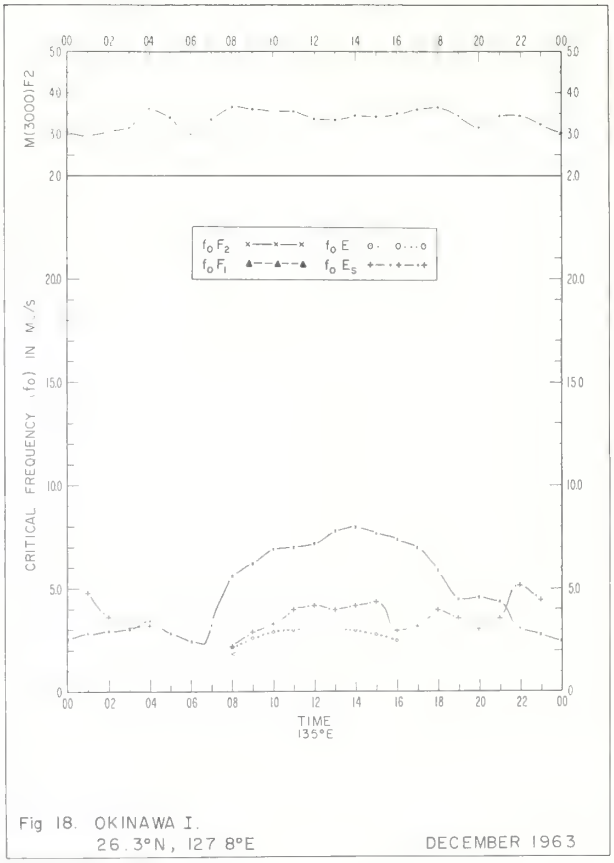

Fig 18. OKINAWA I.
26.3°N, 127.8°E
DECEMBER 1963

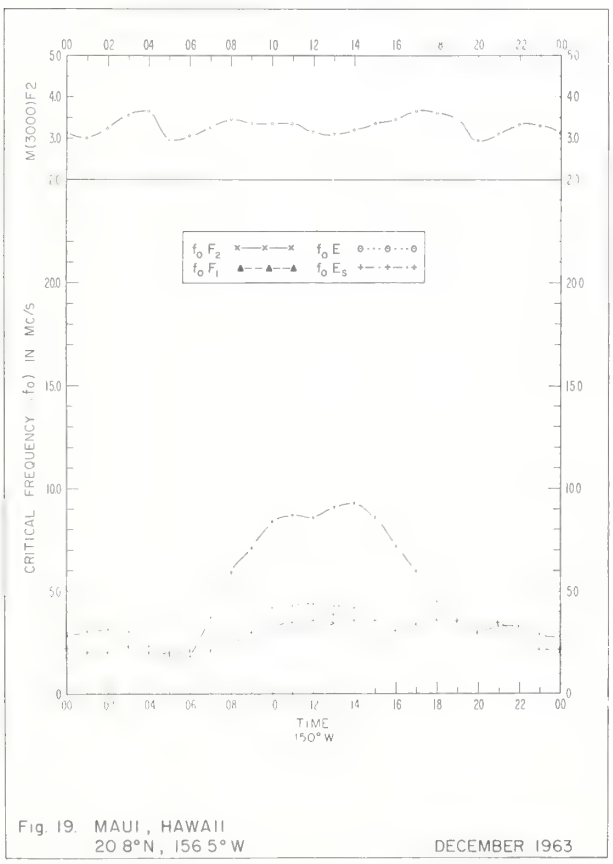

Fig. 19. MAUI, HAWAII
20.8°N, 156.5° W
DECEMBER 1963

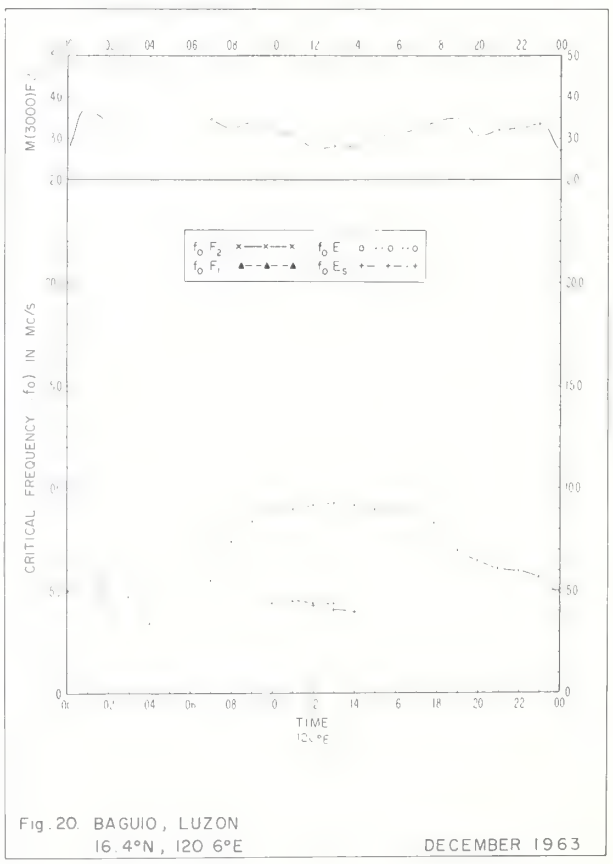

Fig. 20. BAGUIO, LUZON
16.4°N, 120.6°E
DECEMBER 1963

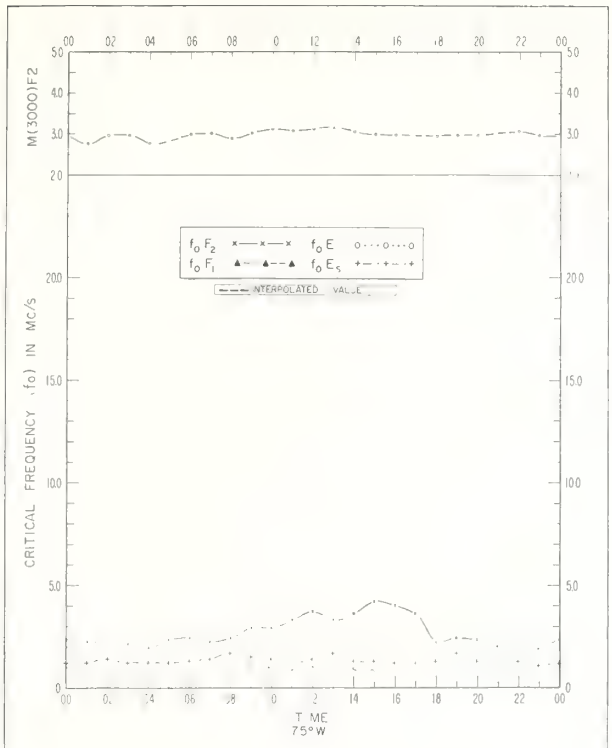

Fig 21. THULE, GREENLAND
76 4°N, 68 3°W
NOVEMBER 1963

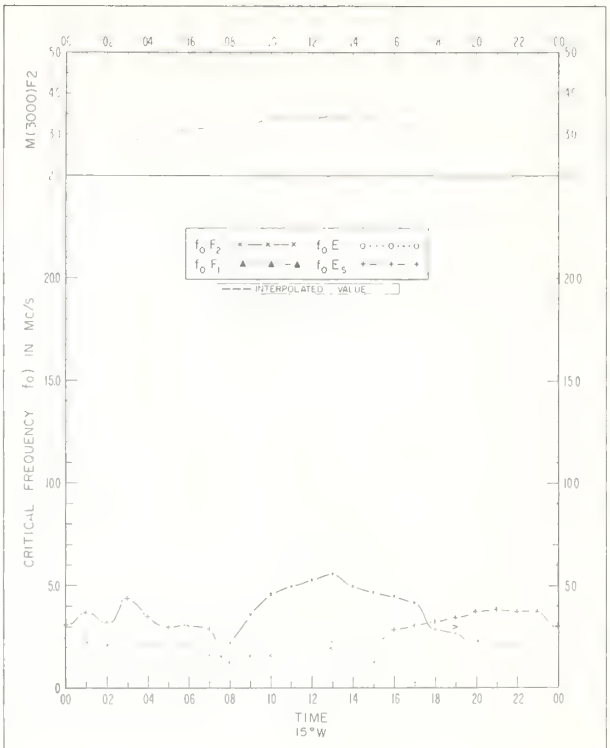

Fig 22. REYKJAVIK, ICELAND
64 1°N, 21 8°W
NOVEMBER 1963

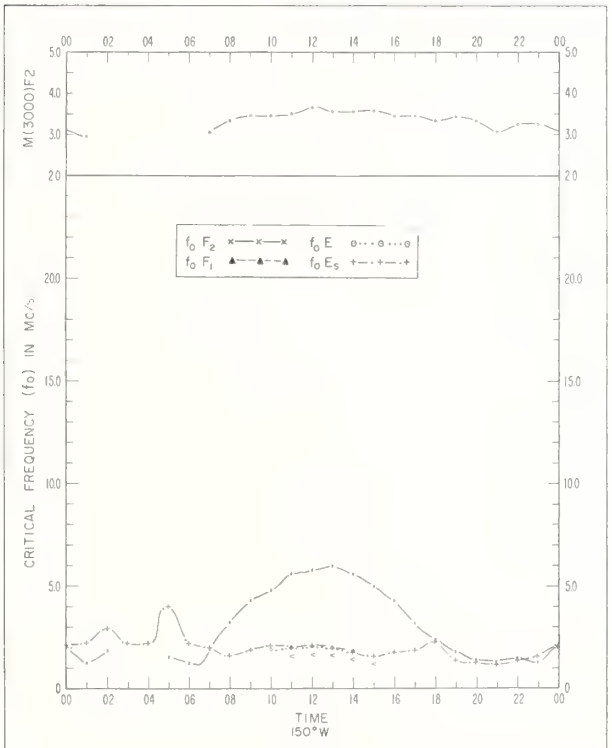

Fig. 23 ANCHORAGE, ALASKA
61. 2°N,, 149. 9°W
NOVEMBER 1963

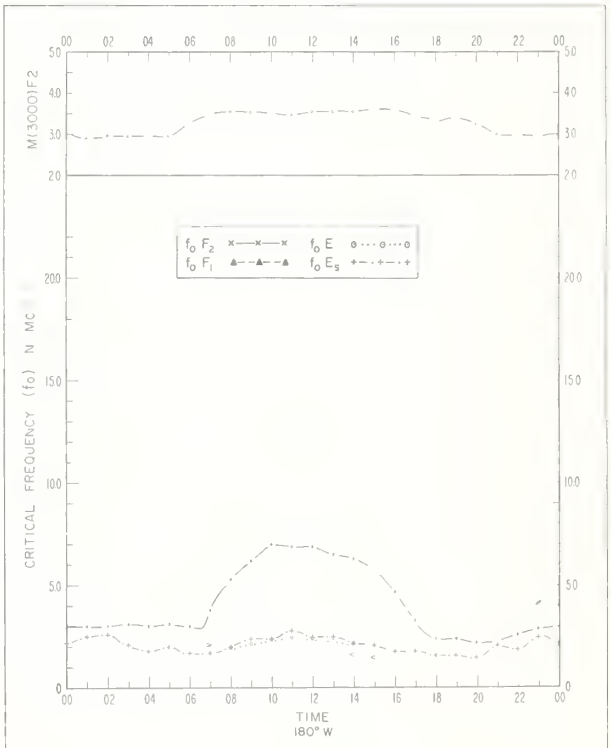

Fig. 24 ADAK, ALASKA
51.9°N, 176.6° W
NOVEMBER 1963

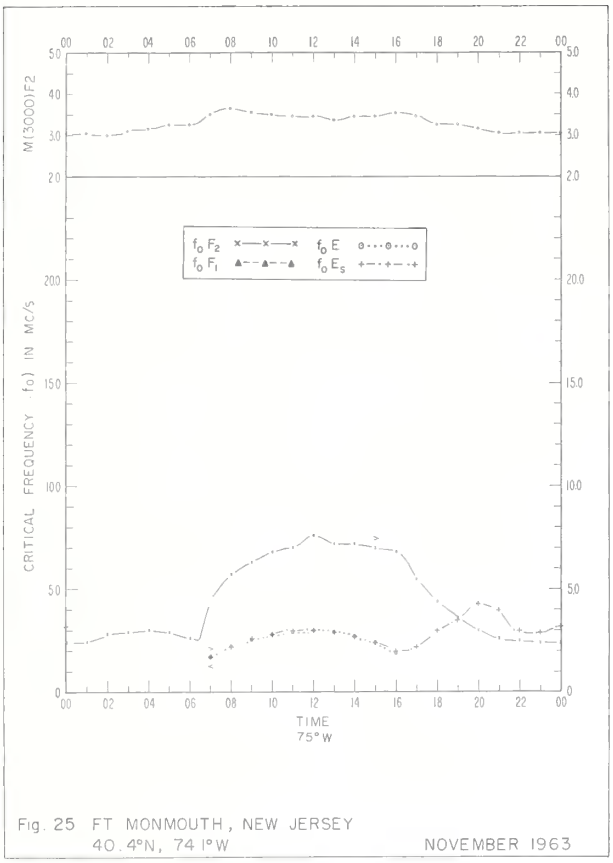

Fig. 25 FT MONMOUTH, NEW JERSEY
40.4°N, 74.1°W NOVEMBER 1963

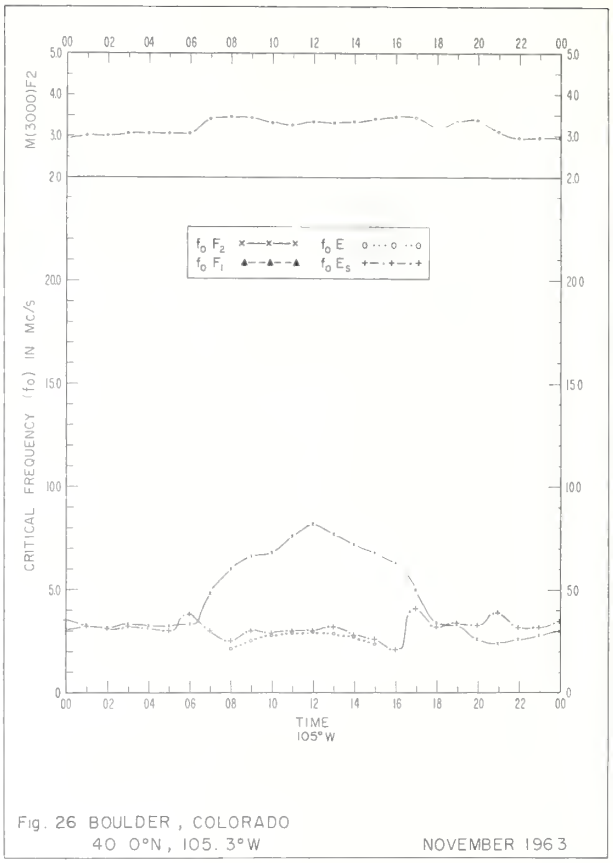

Fig. 26 BOULDER, COLORADO
40.0°N, 105.3°W NOVEMBER 1963

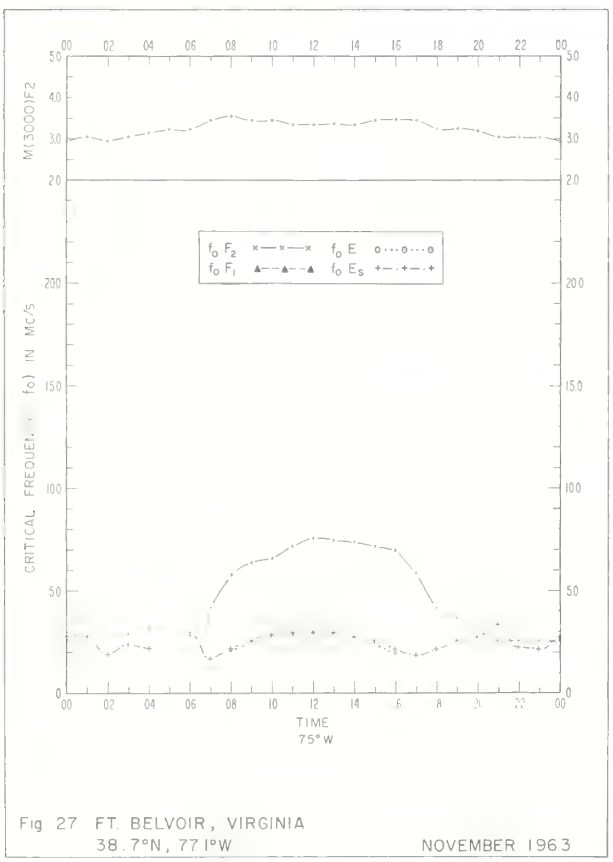

Fig. 27 FT. BELVOIR, VIRGINIA
38.7°N, 77.1°W NOVEMBER 1963

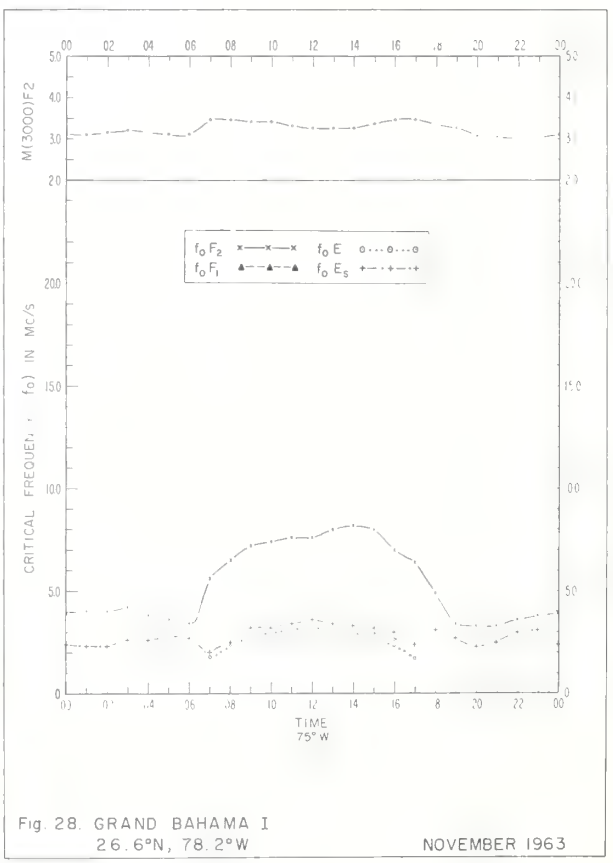

Fig. 28. GRAND BAHAMA I
26.6°N, 78.2°W NOVEMBER 1963

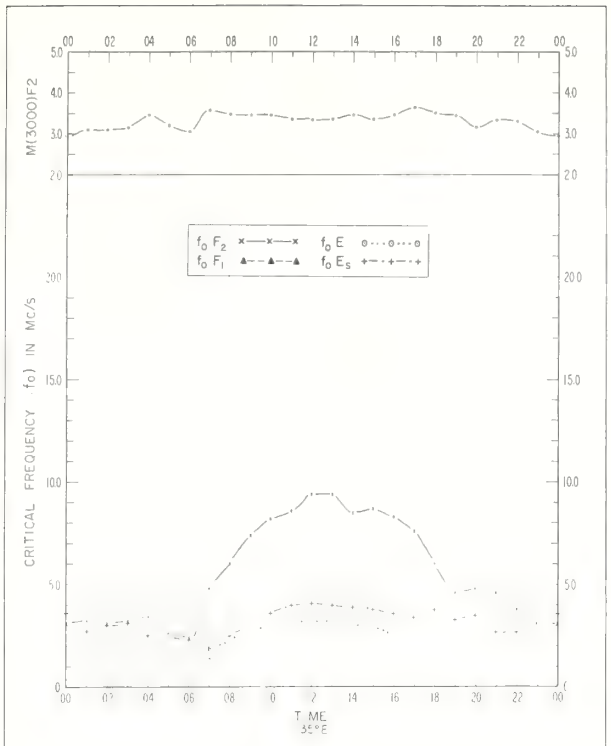

Fig. 29. OKINAWA I.
26.3°N, 127.8°E NOVEMBER 1963

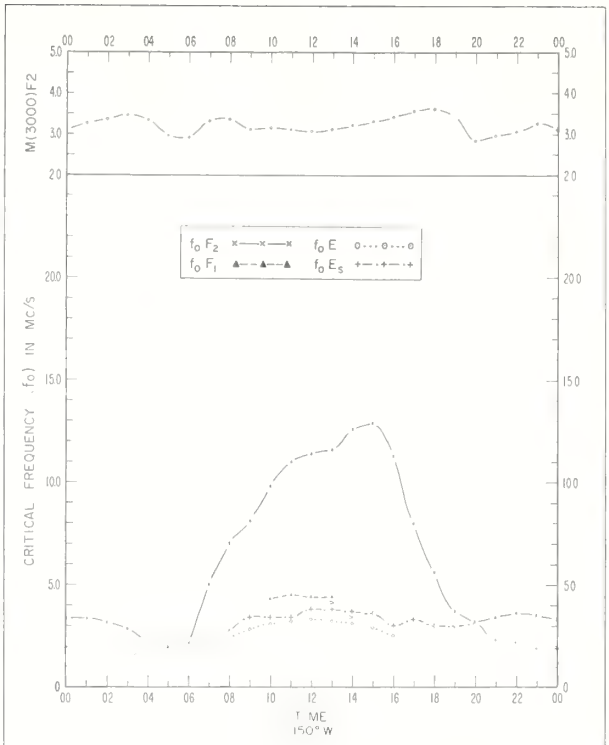

Fig. 30. MAUI, HAWAII
20.8°N, 156.5°W NOVEMBER 1963

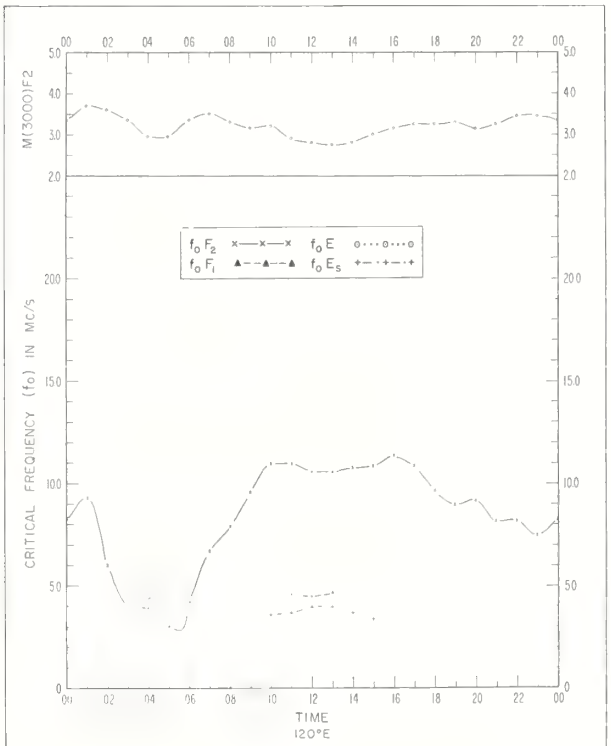

Fig. 31. BAGUIO, LUZON
16.4°N, 120.6°E NOVEMBER 1963

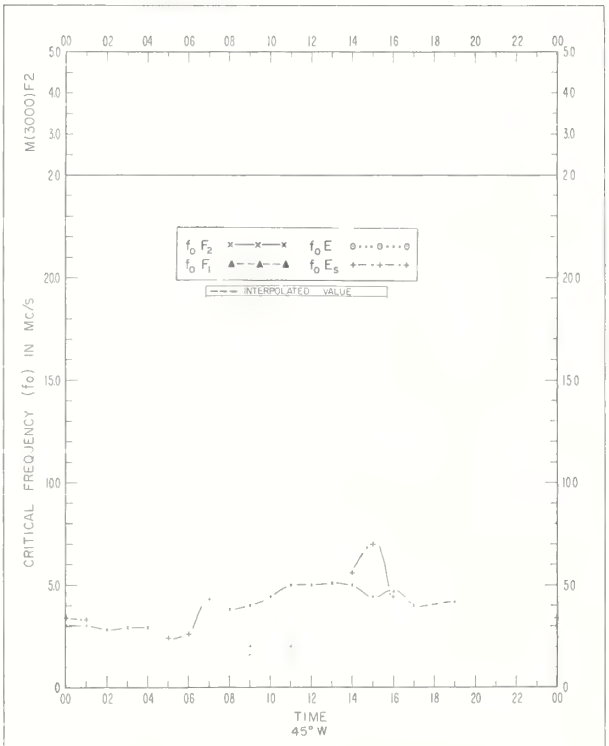

Fig. 32 GODHAVN, GREENLAND
69.3°N, 53.5°W OCTOBER 1963

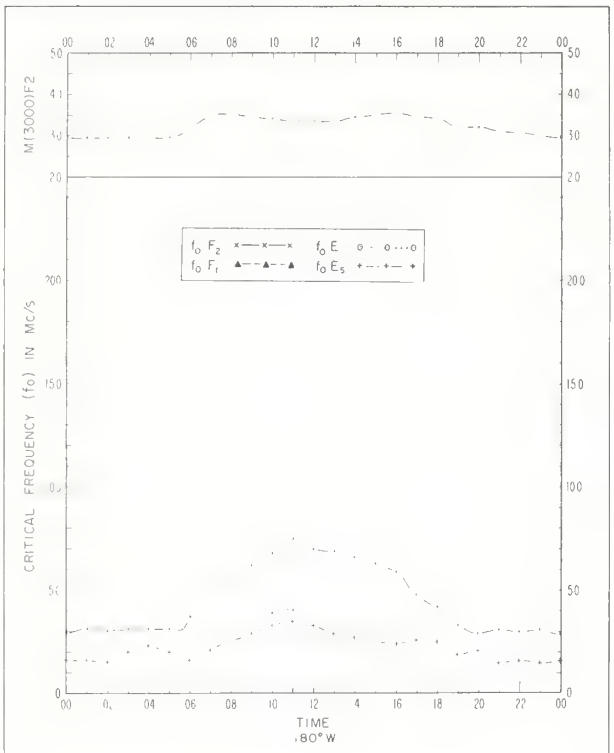

Fig 33. ADAK, ALASKA
51.9°N, 176.6°W
OCTOBER 1963

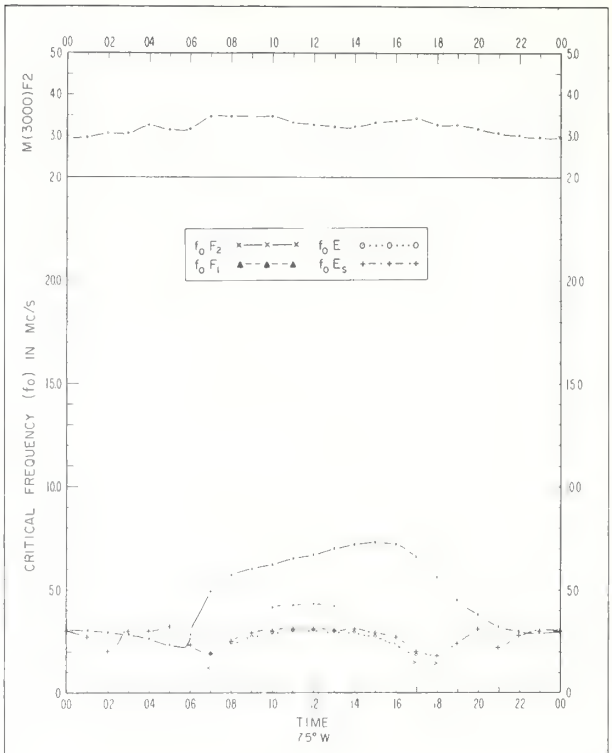

Fig. 34. FT. BELVOIR, VIRGINIA
38.7°N, 77.1°W
OCTOBER 1963

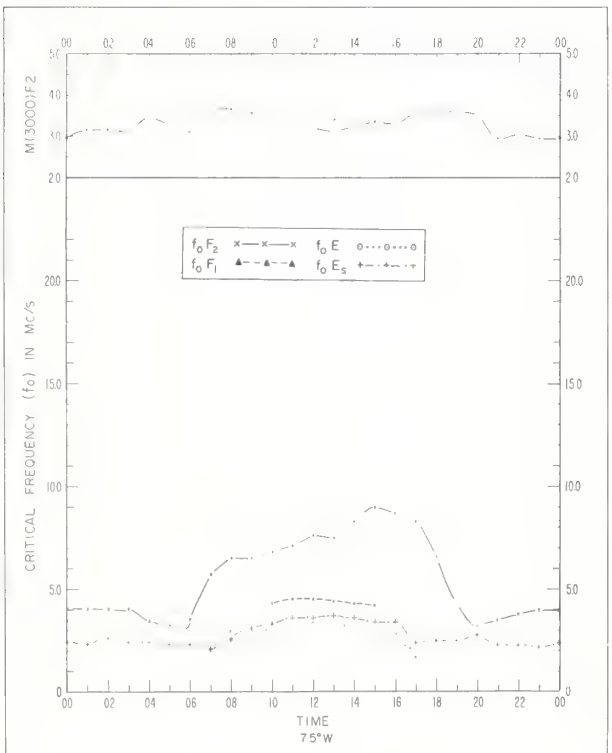

Fig 35 GRAND BAHAMA I
26.6°N, 78.2°W
OCTOBER 1963

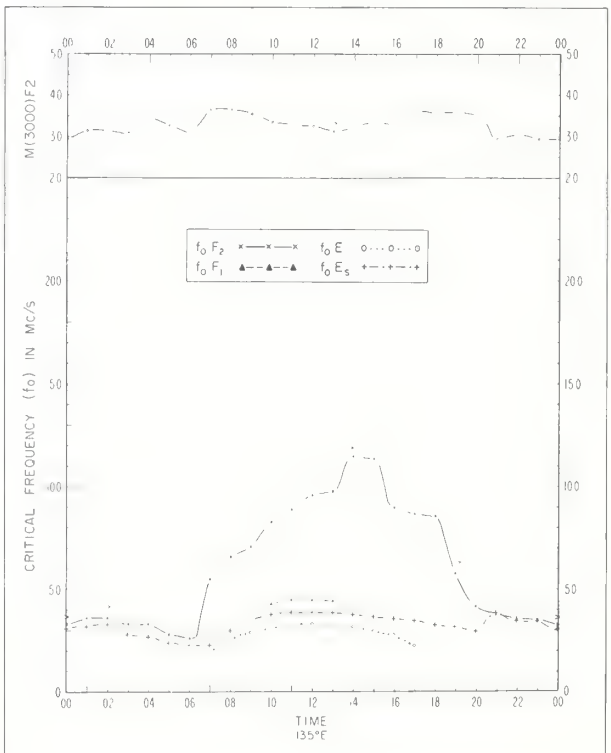

Fig 36. OKINAWA I
26.3°N, 127.8°E
OCTOBER 1963

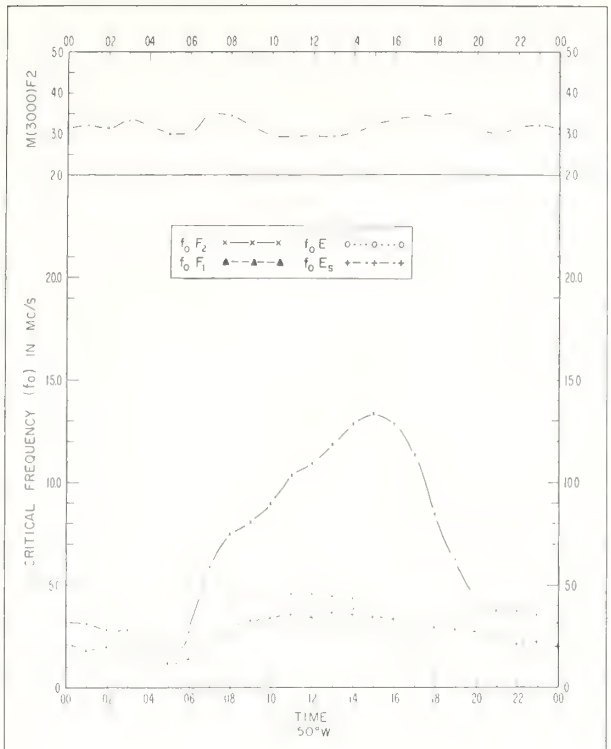

Fig. 37. MAUI, HAWAII
20.8°N, 156.5°W
OCTOBER 1963

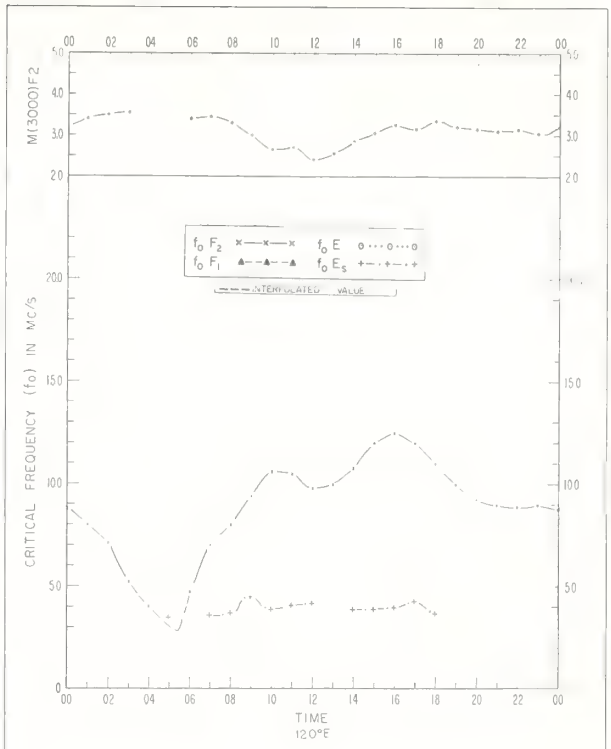

Fig. 38 BAGUIO, LUZON
16.4°N, 120.6°E
OCTOBER 1963

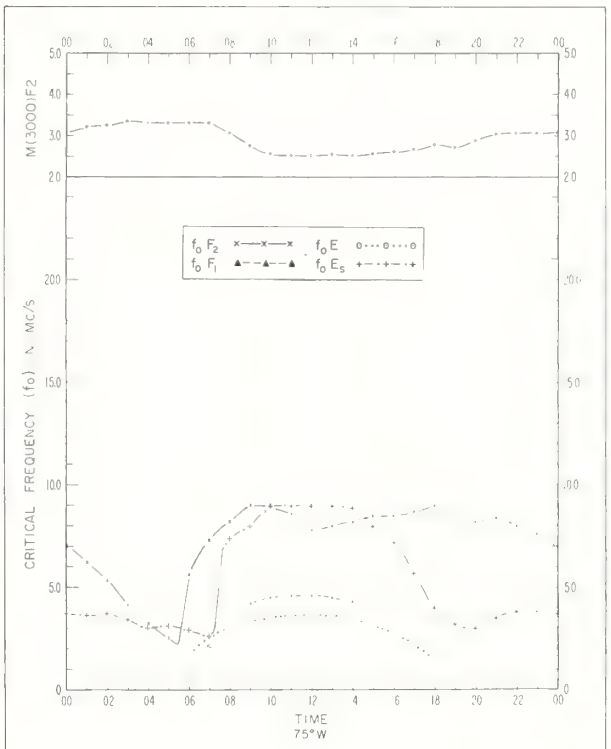

Fig. 39. HUANCAYO, PERU
12.0°S, 75.3°W
OCTOBER 1963

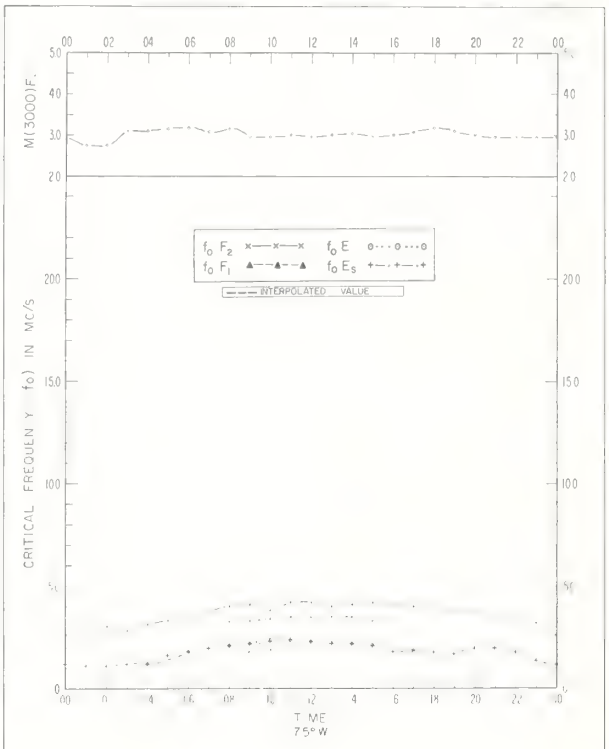

Fig. 40. THULE, GREENLAND
76.4°N, 68.3°W
SEPTEMBER 1963

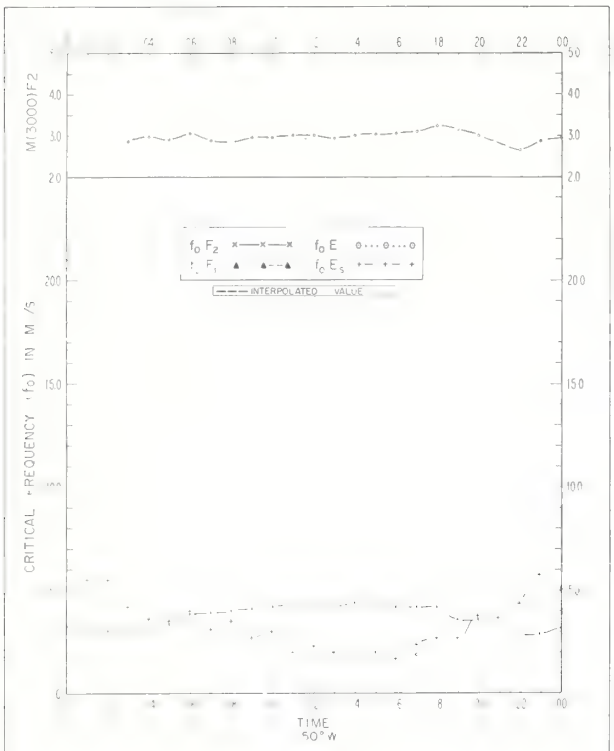

Fig 41 BARROW, ALASKA
71 3°N, 156 8°W SEPTEMBER 1963

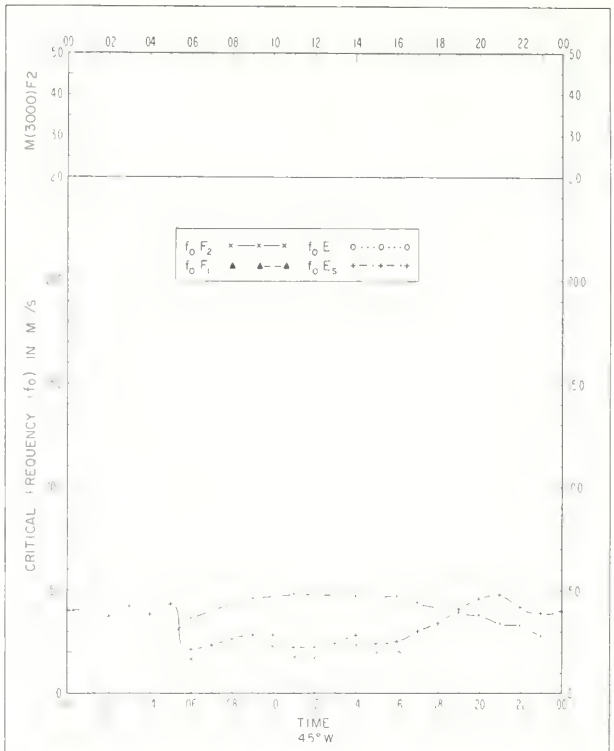

Fig. 42. NARSSARSSUAQ, GREENLAND
61 2°N, 45 4°W SEPTEMBER 1963

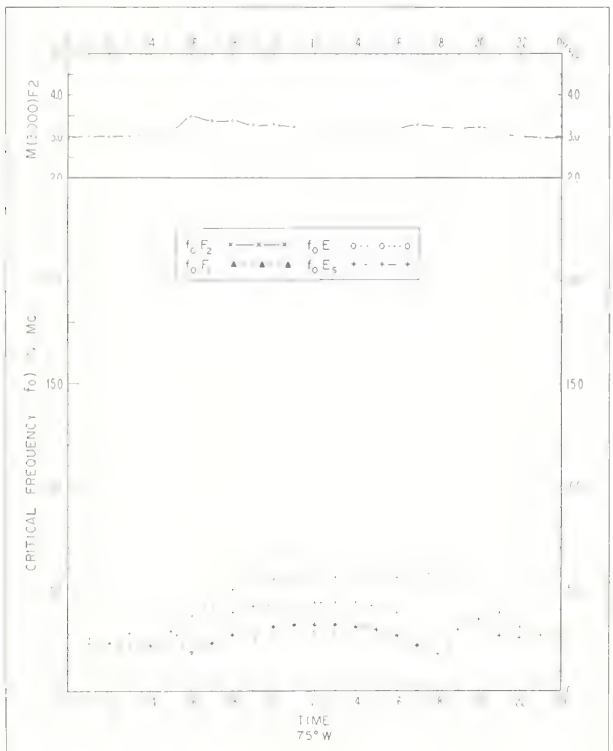

Fig 43 FT MONMOUTH, NEW JERSEY
40 4°N, 74 1°W SEPTEMBER 1963

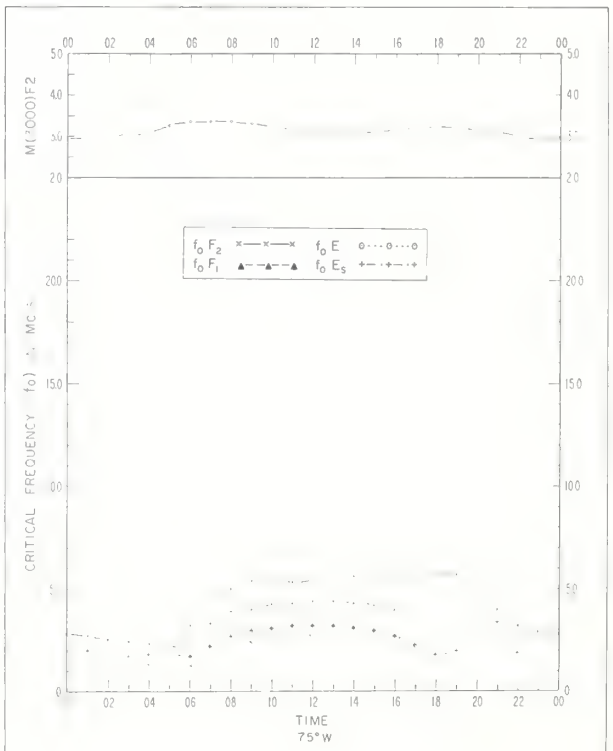

Fig. 44 FT. BELVOIR, VIRGINIA
38. 7°N, 77. 1°W SEPTEMBER 1963

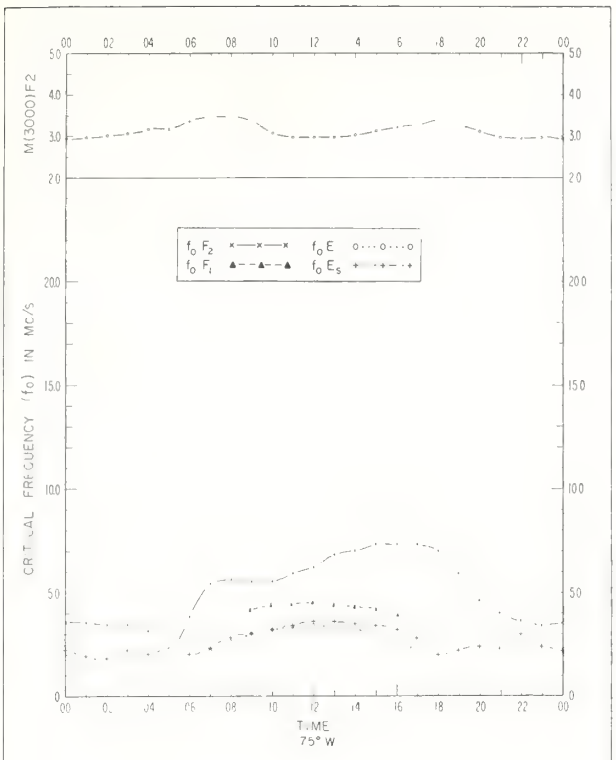

Fig 45 GRAND BAHAMA I
26 6°N, 78 2°W
SEPTEMBER 1963

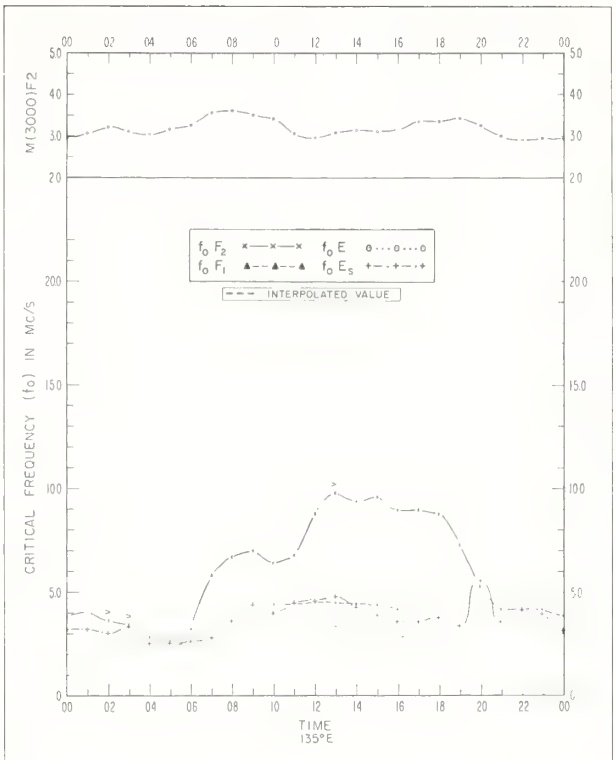

Fig. 46 OKINAWA I
26 3°N, 127 8°E
SEPTEMBER 1963

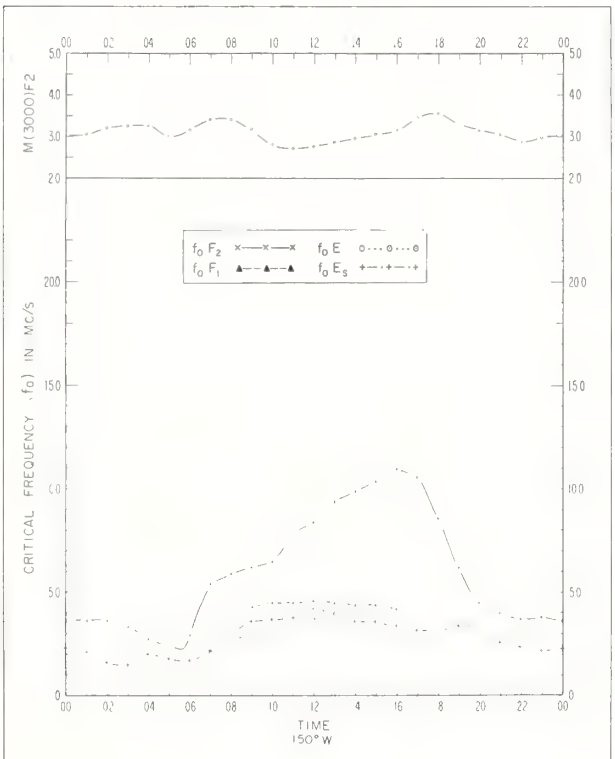

Fig 47 MAUI, HAWAII
20.8°N, 156 5°W
SEPTEMBER 1963

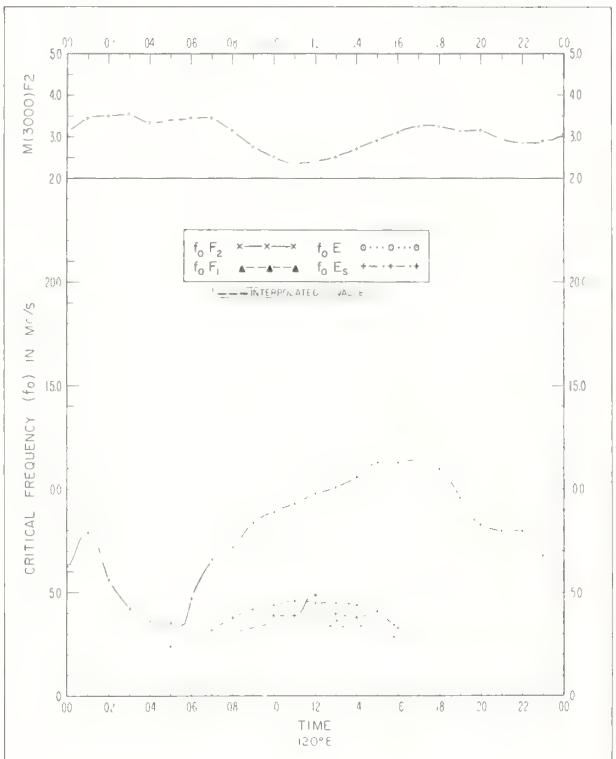

Fig. 48 BAGUIO, LUZON
16 4°N, 120 6°E
SEPTEMBER 1963

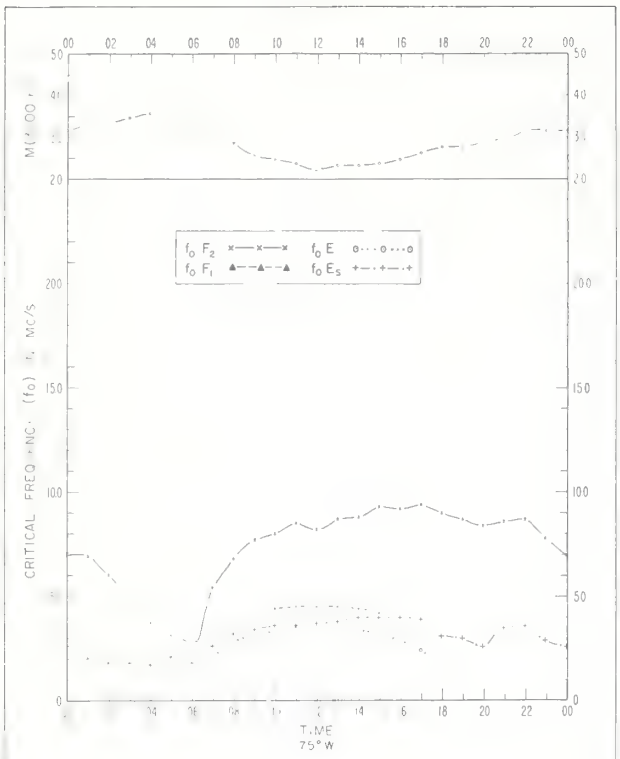

Fig 49. TALARA, PERU
4 6°S, 81 3° W
SEPTEMBER 1963

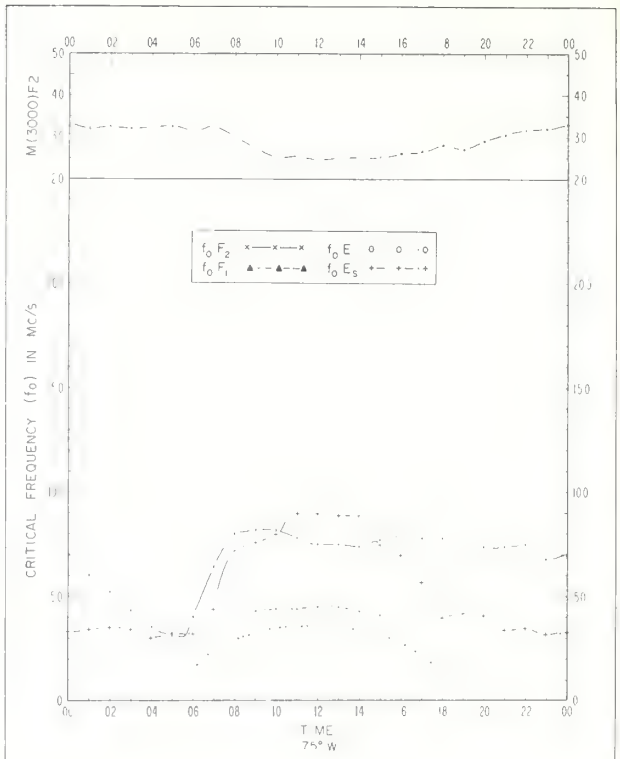

Fig. 50 HUANCAYO, PERU
12.0°S, 75 3°W
SEPTEMBER 1963

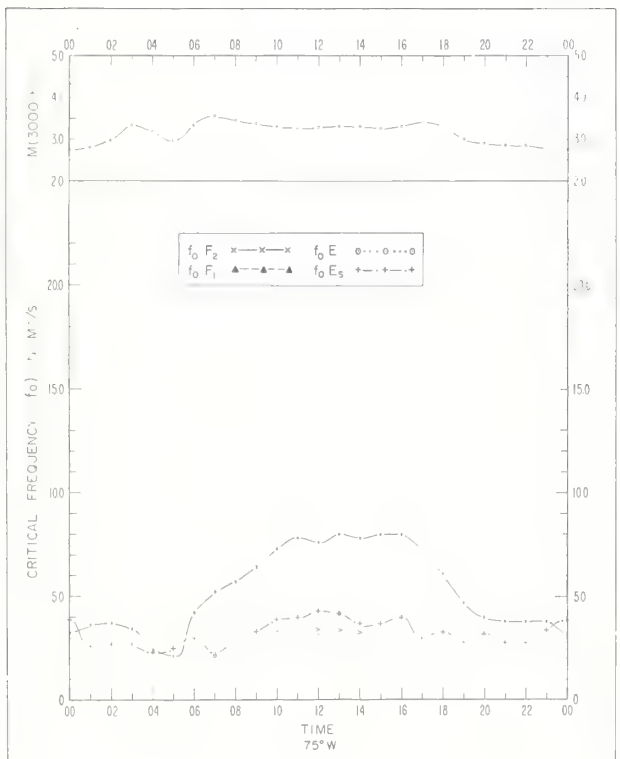

Fig 51 CONCEPCION, CHILE
36 6°S, 73 0°W
SEPTEMBER 1963

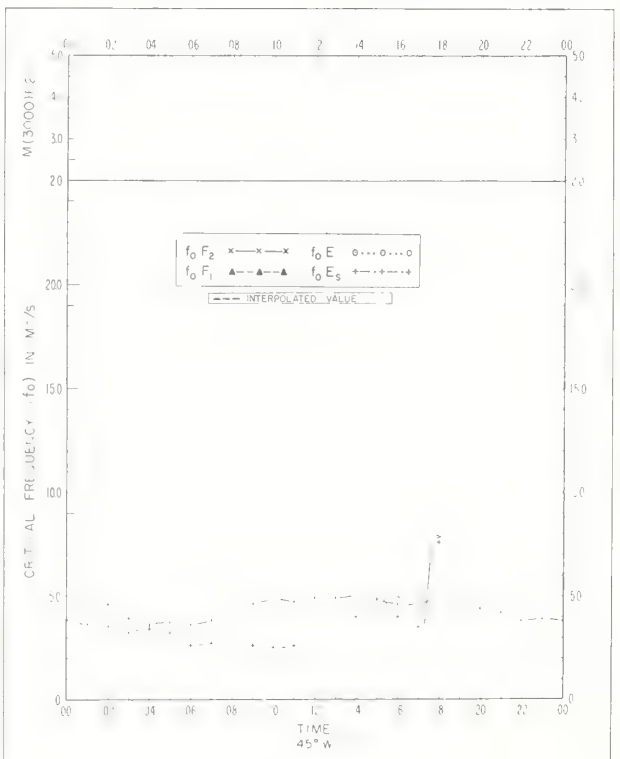

Fig 52 GODHAVN, GREENLAND
69 3°N, 53 5°W
AUGUST 1963

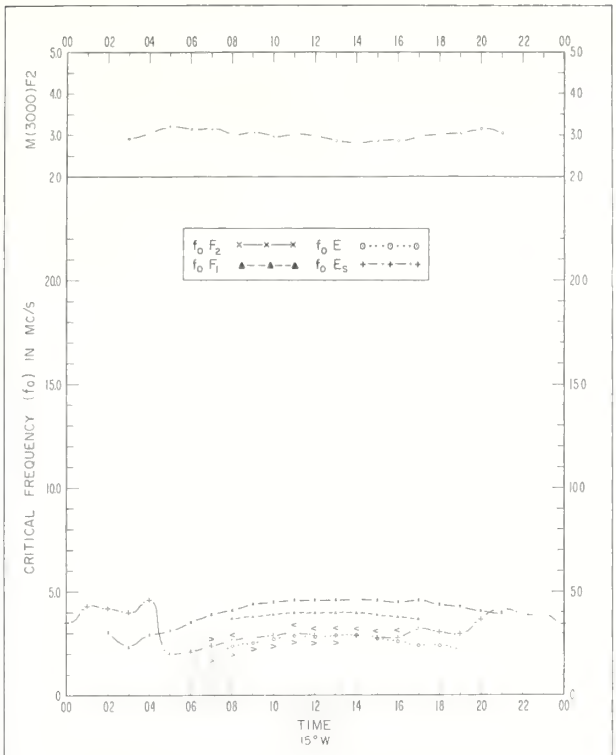

Fig. 53. REYKJAVIK, ICELAND
64.1°N, 21.8°W AUGUST 1963

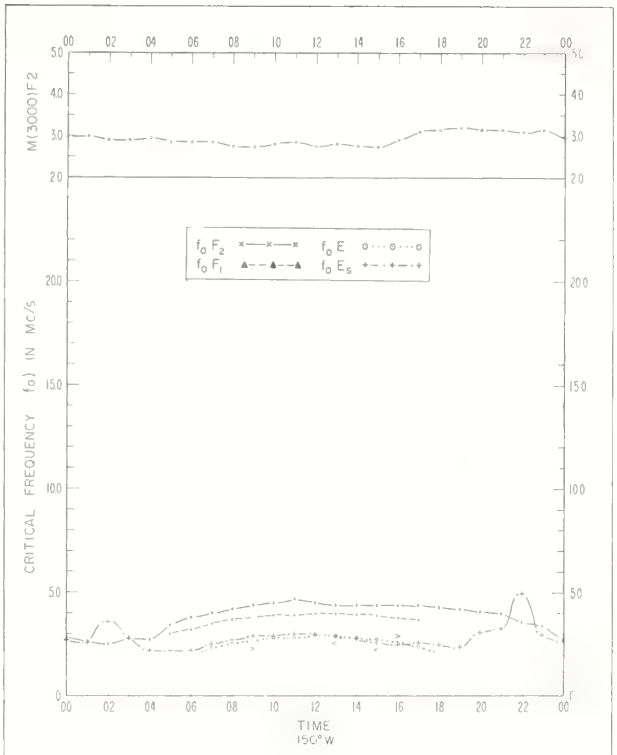

Fig. 54 ANCHORAGE, ALASKA
61.2°N, 149.9°W AUGUST 1963

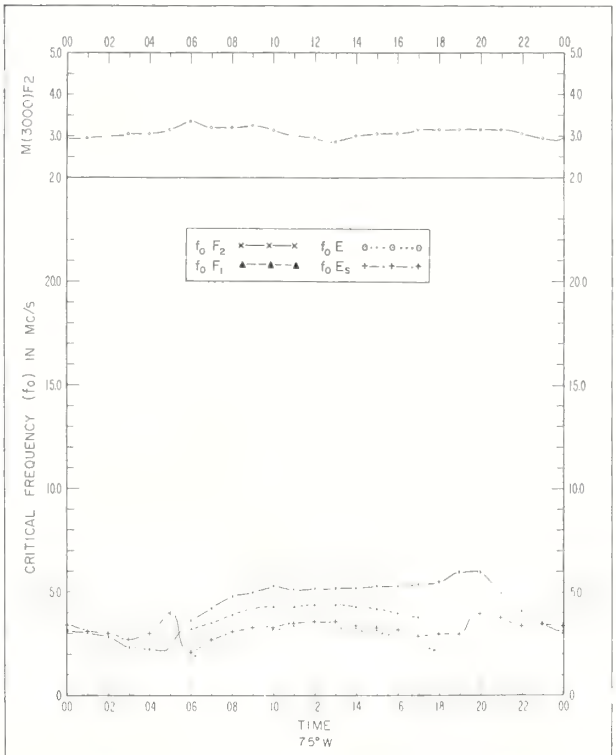

Fig. 55. FT. BELVOIR, VIRGINIA
38.7°N, 77.1°W AUGUST 1963

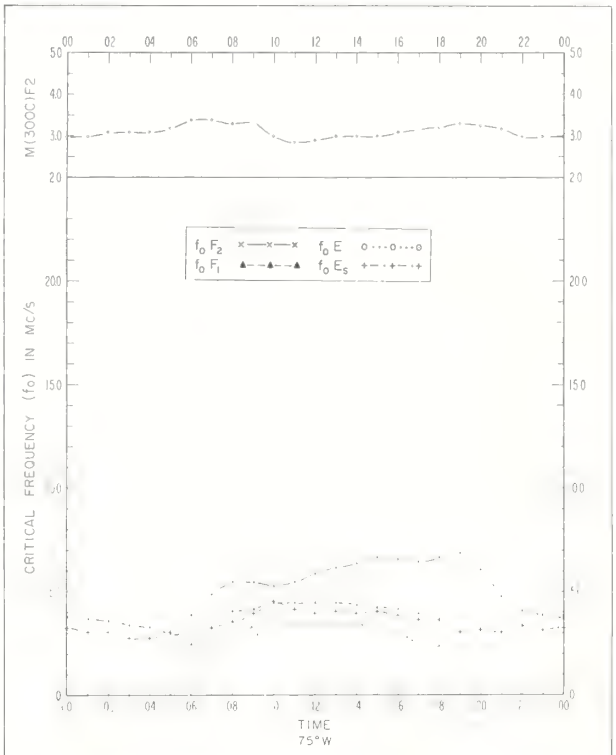

Fig. 56. GRAND BAHAMA I
26.6°N, 78.2°W AUGUST 1963

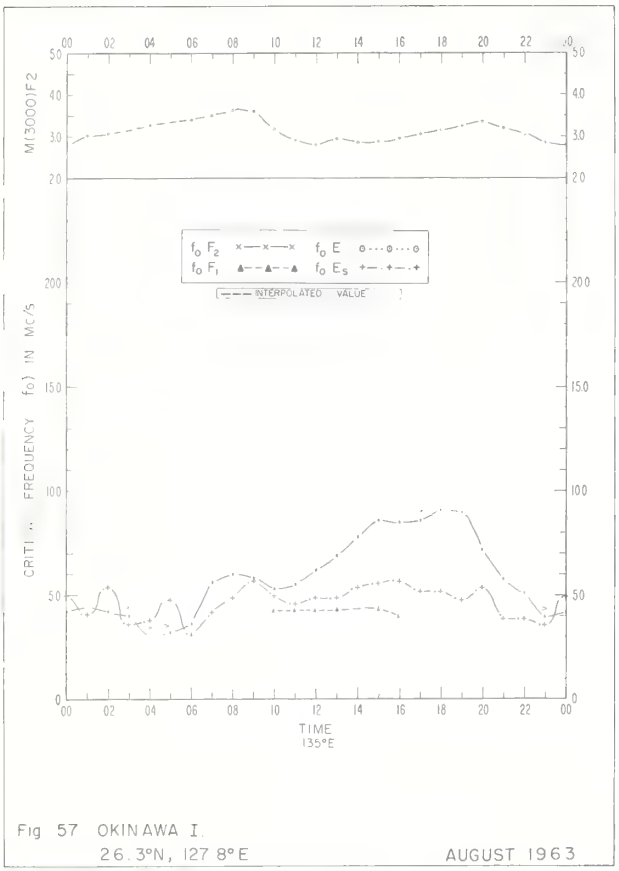

Fig 57 OKINAWA I.
26.3°N, 127.8°E
AUGUST 1963

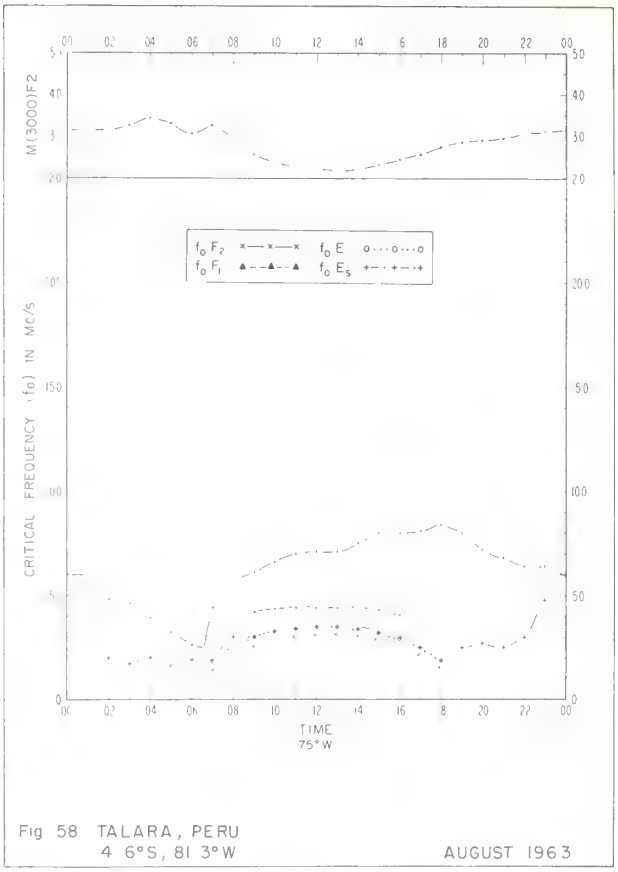

Fig 58 TALARA, PERU
4.6°S, 81.3°W
AUGUST 1963

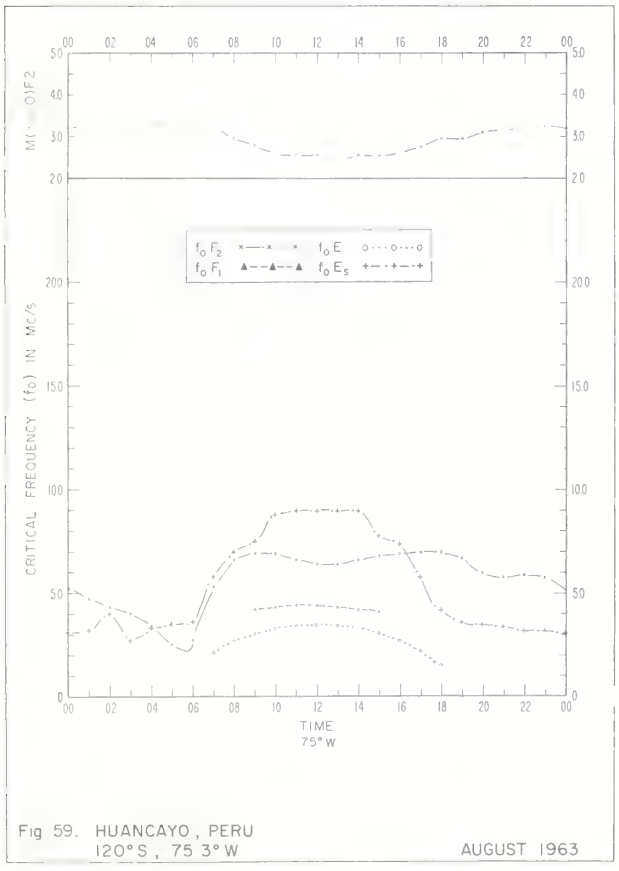

Fig 59. HUANCAYO, PERU
12.0°S, 75.3°W
AUGUST 1963

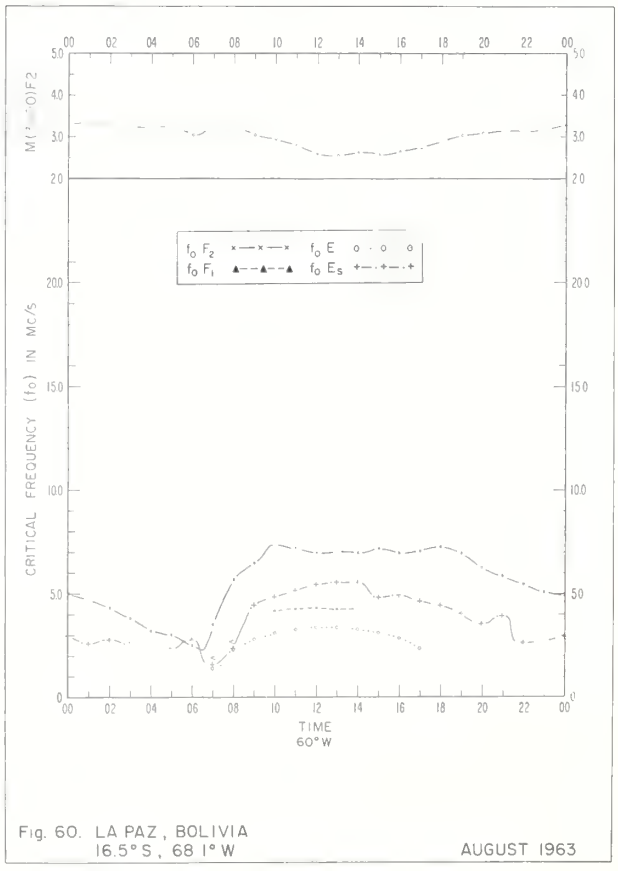

Fig. 60. LA PAZ, BOLIVIA
16.5°S, 68.1°W
AUGUST 1963

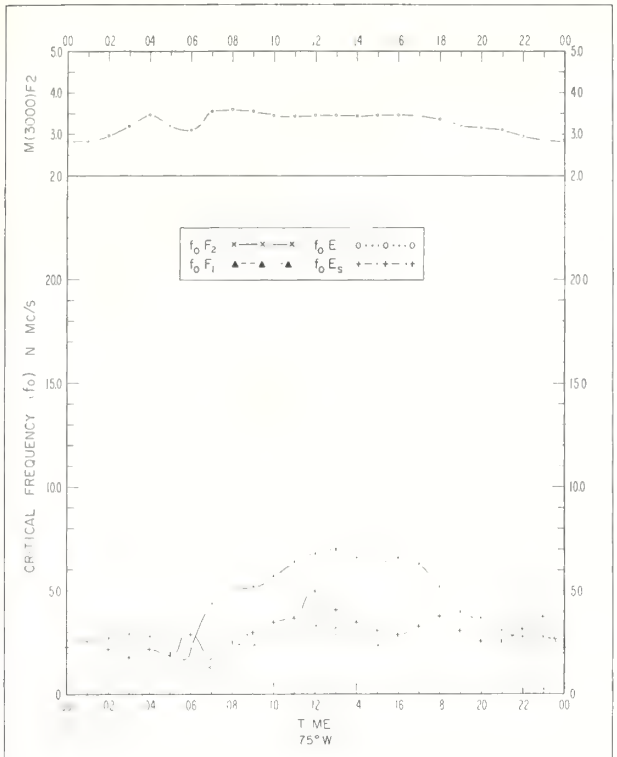

Fig. 61. CONCEPCION, CHILE
36.6°S, 73.0°W
AUGUST 1963

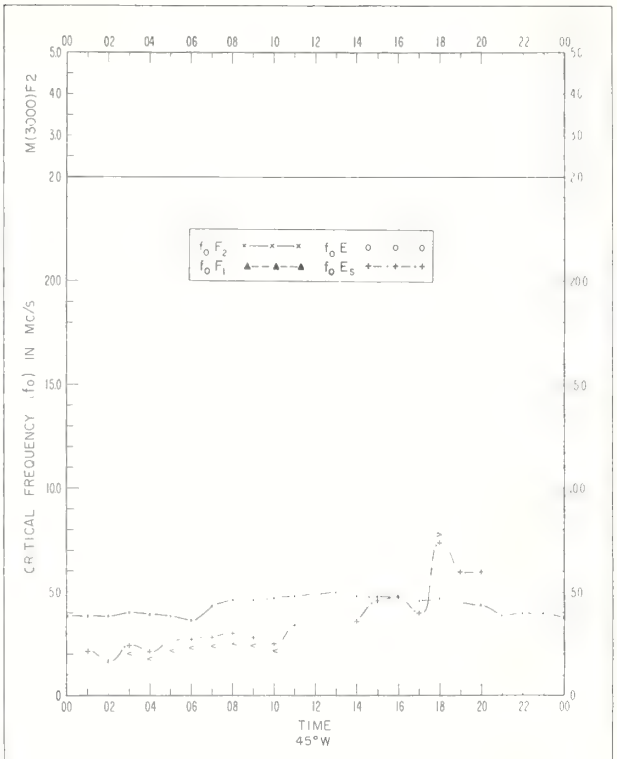

Fig. 62. GODHAVN, GREENLAND
69.3°N, 53.5°W
JULY 1963

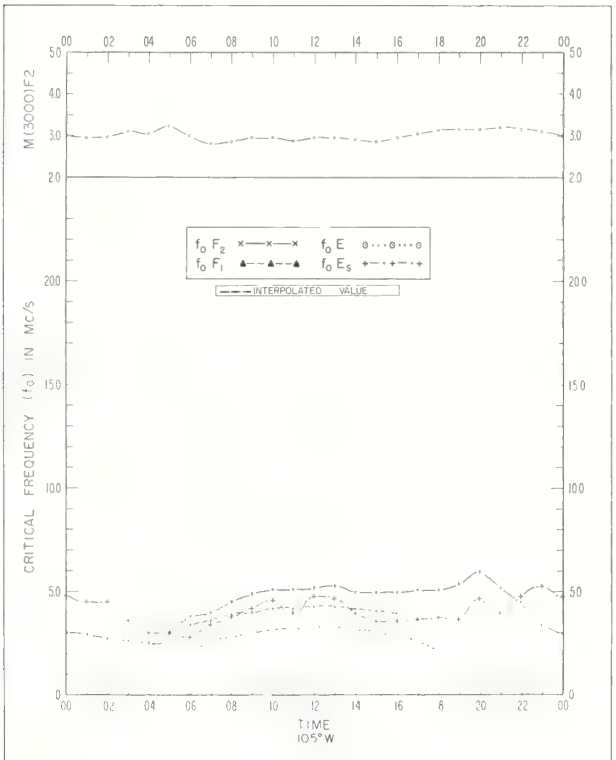

Fig. 63. BOULDER, COLORADO
40.0°N, 105.3°W
JULY 1963

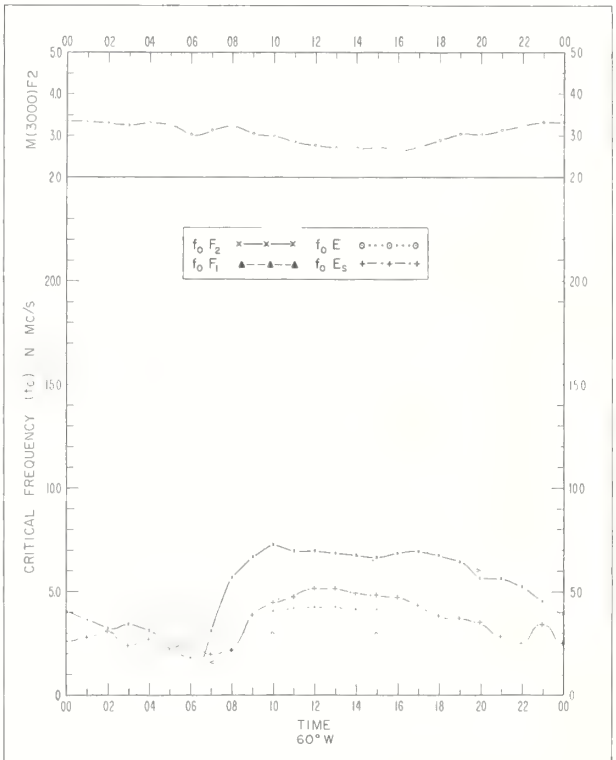

Fig. 64. LA PAZ, BOLIVIA
16.5°S, 68.1°W
JULY 1963

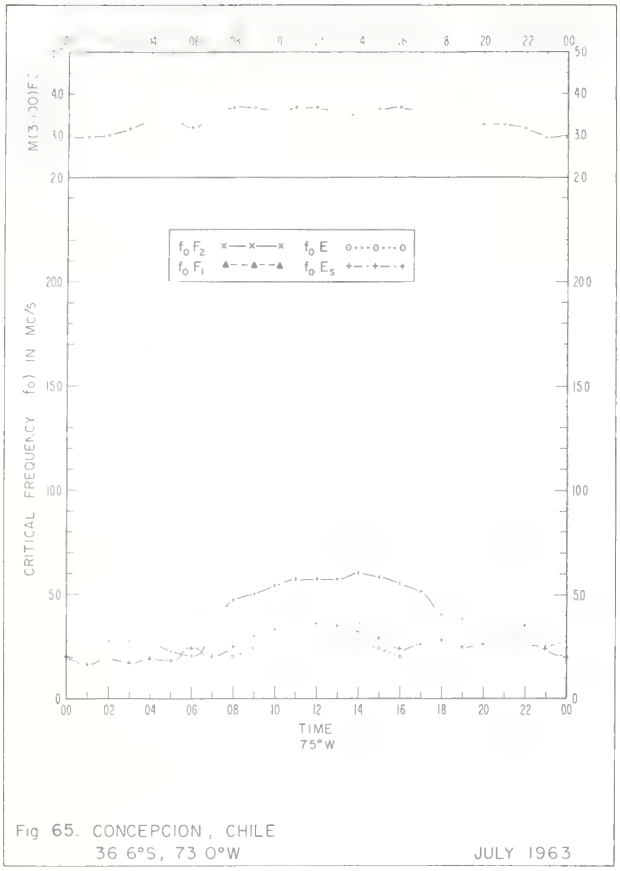

Fig. 65. CONCEPCION, CHILE
36.6°S, 73.0°W JULY 1963

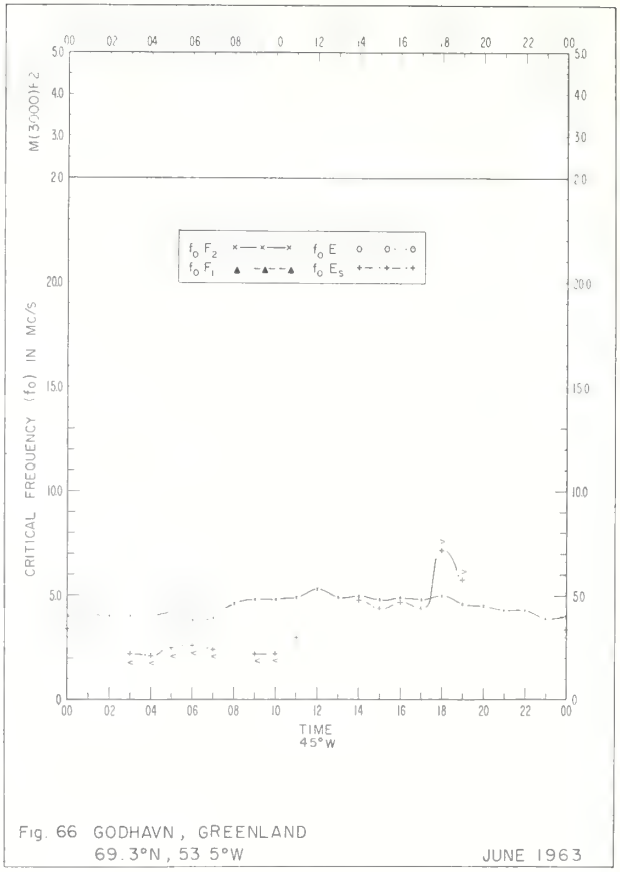

Fig. 66 GODHAVN, GREENLAND
69.3°N, 53.5°W JUNE 1963

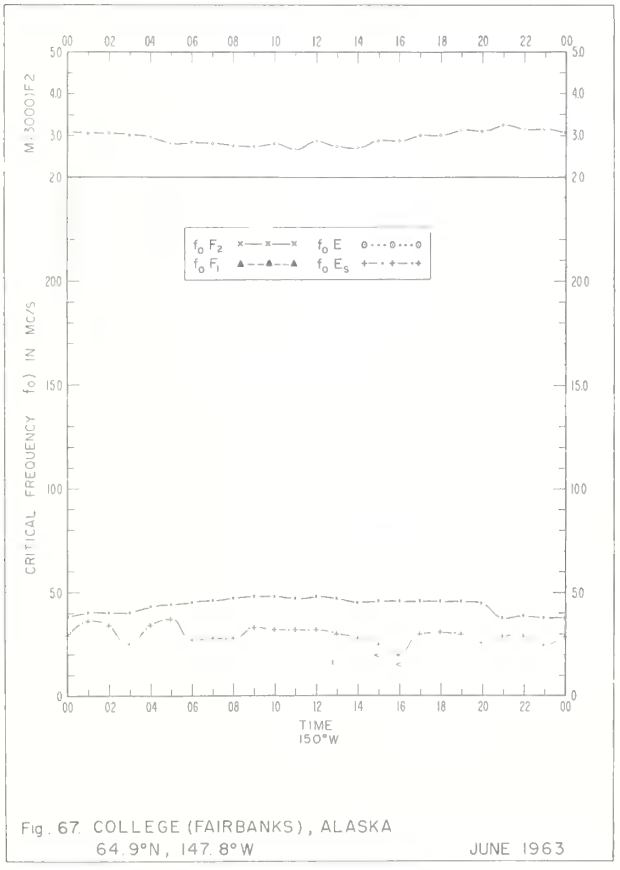

Fig. 67. COLLEGE (FAIRBANKS), ALASKA
64.9°N, 147.8°W JUNE 1963

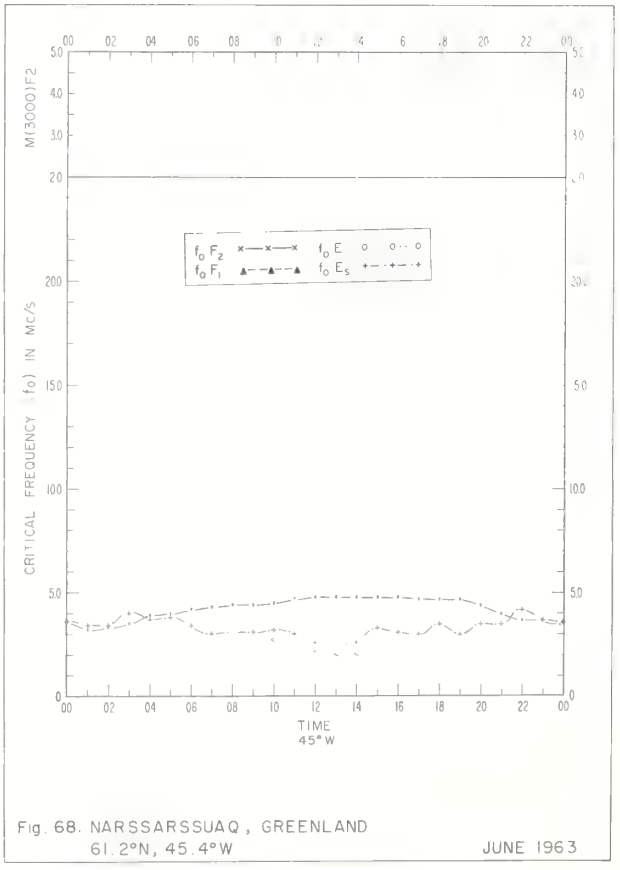

Fig. 68. NARSSARSSUAQ, GREENLAND
61.2°N, 45.4°W JUNE 1963

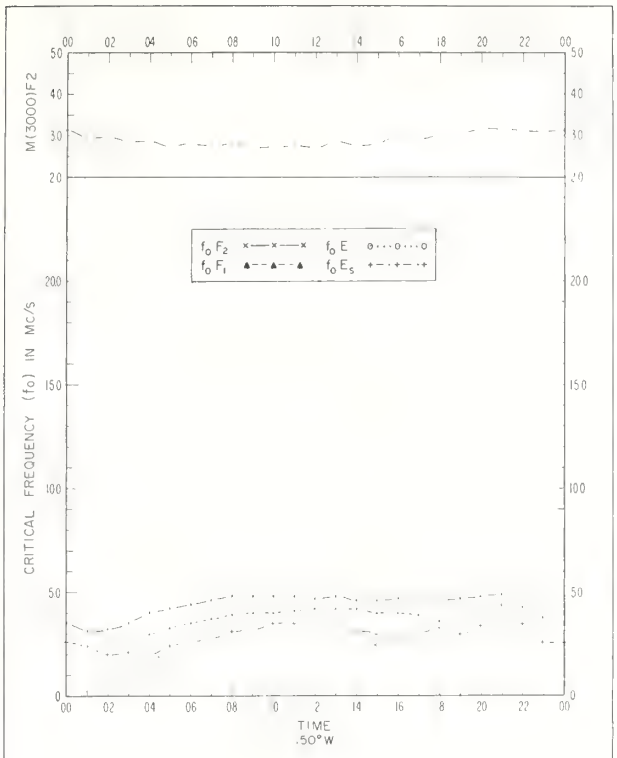

Fig. 69. ANCHORAGE, ALASKA
61.2°N, 149.9°W
JUNE 1963

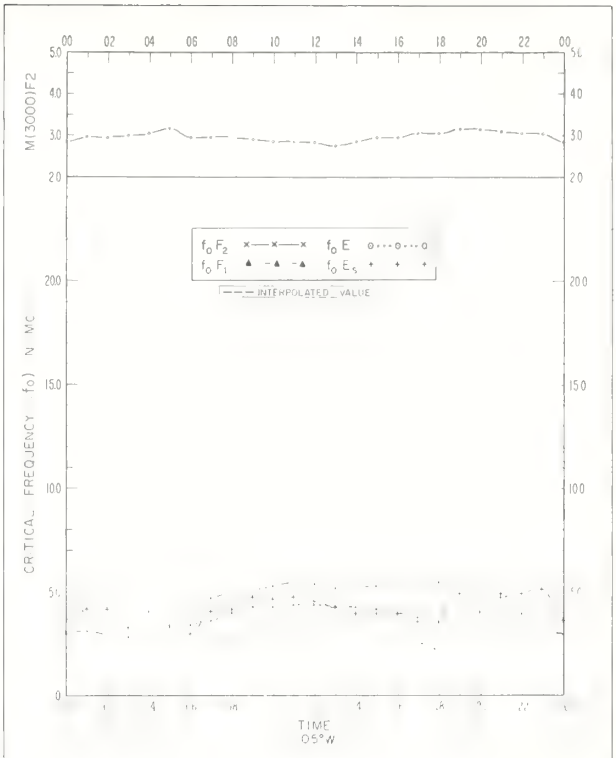

Fig. 70. BOULDER, COLORADO
40.0°N, 105.3°W
JUNE 1963

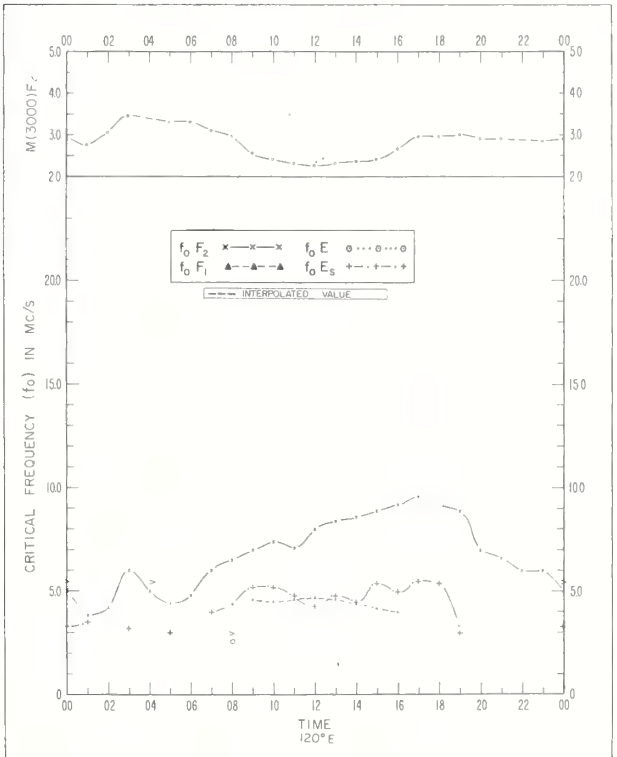

Fig. 71. BAGUIO, LUZON
16.4°N, 120.6°E
JUNE 1963

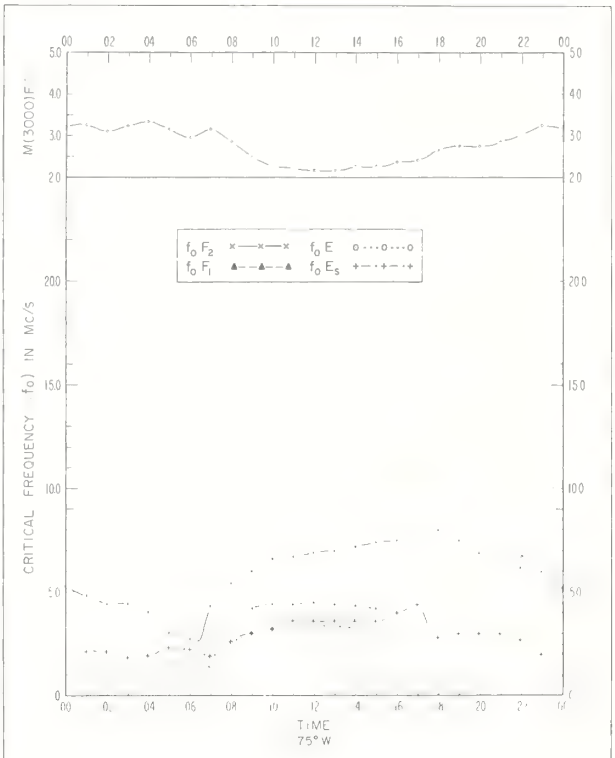

Fig. 72. TALARA, PERU
4.6°S, 81.3°W
JUNE 1963

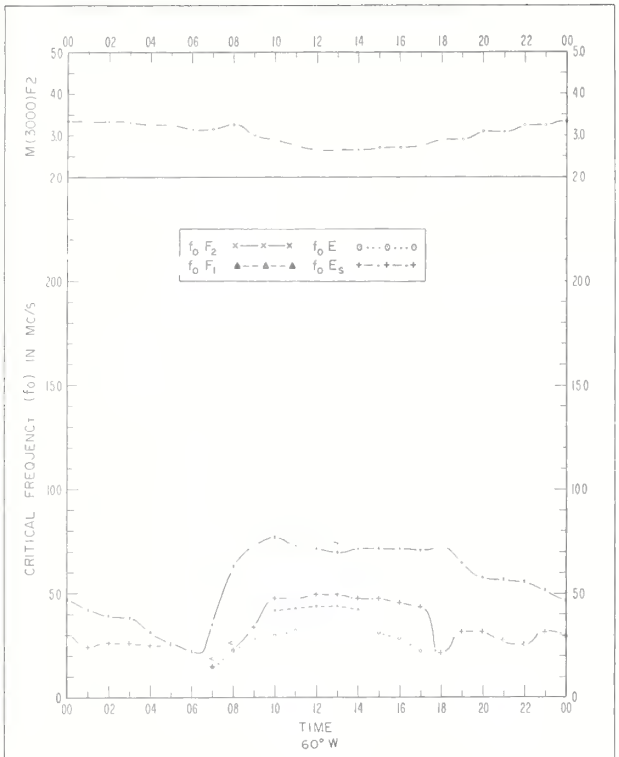

Fig. 73. LA PAZ, BOLIVIA
16.5°S, 68.1°W
JUNE 1963

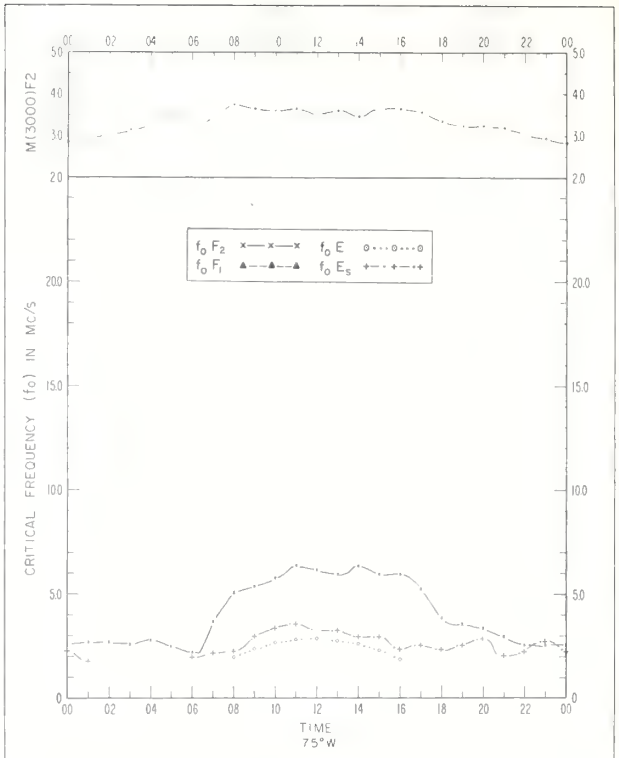

Fig. 74. CONCEPCION, CHILE
36.6°S, 73.0°W
JUNE 1963

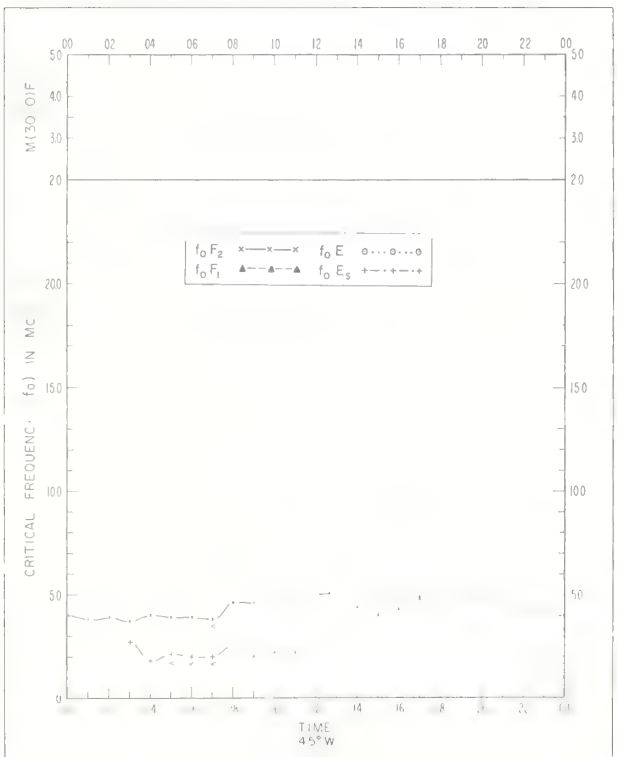

Fig. 75. GODHAVN, GREENLAND
69.3°N, 53.5°W
MAY 1963

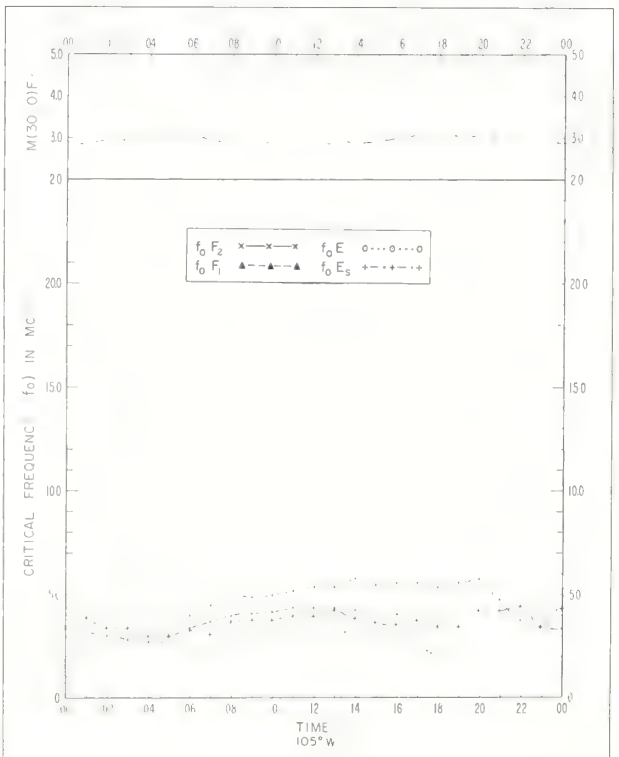

Fig. 76. BOULDER, COLORADO
40.0°N, 105.3°W
MAY 1963

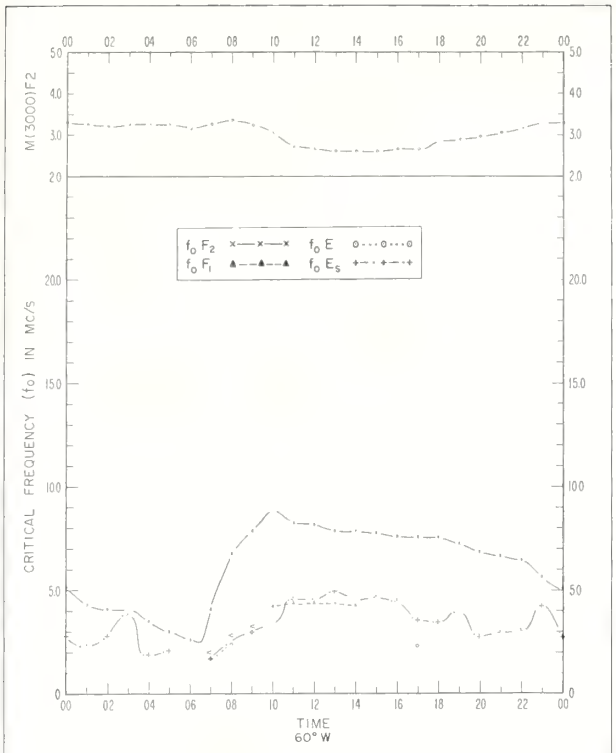

Fig. 77. LA PAZ, BOLIVIA
16.5° S, 68.1° W
MAY 1963

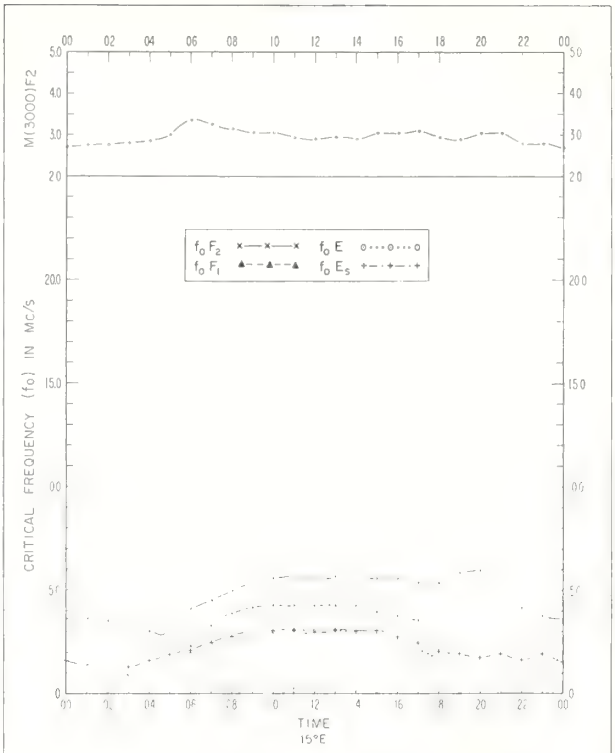

Fig. 78. PARIS, FRANCE
48.1° N, 2.3° E
APRIL 1963

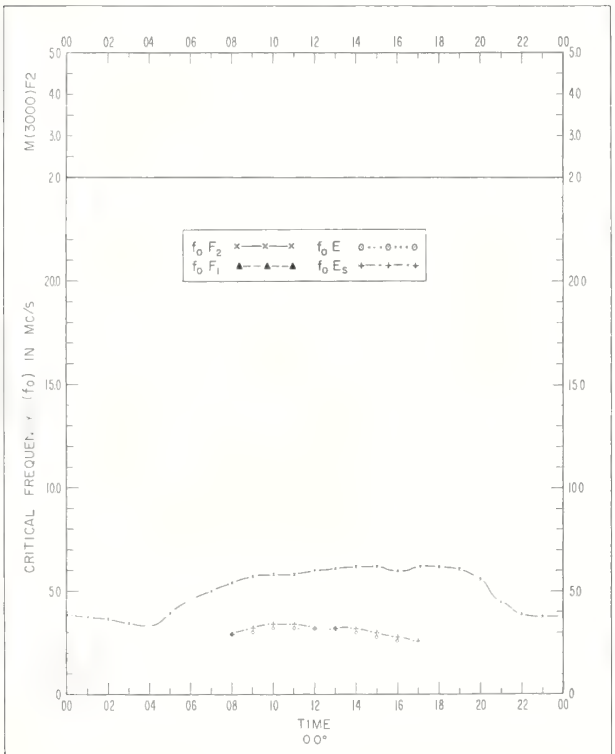

Fig. 79. GENOVA (MONTE CAPELLINO), ITALY
44.6° N, 9.0° E
APRIL 1963

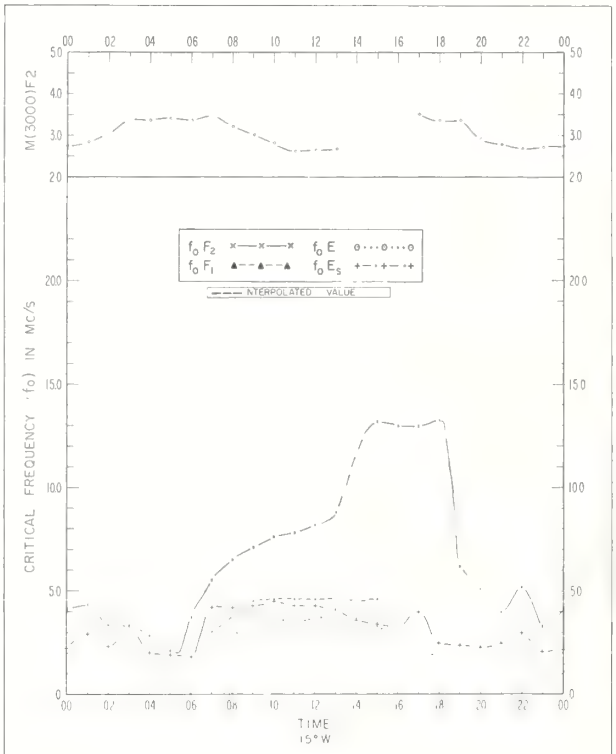

Fig. 80 DAKAR, SENEGAL
14.7° N, 17.4° W
APRIL 1963

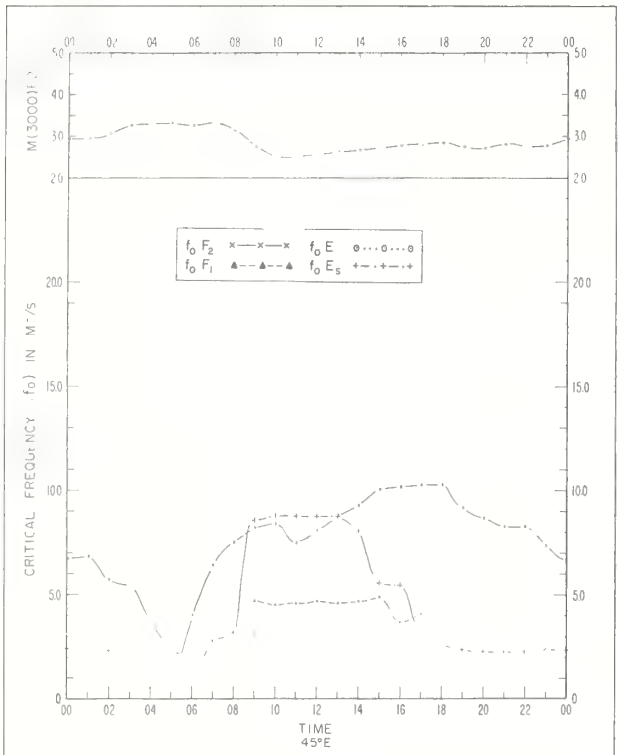

Fig 81. DJIBOUTI, FRENCH SOMALILAND
11.5° N, 42.8° E
APRIL 1963

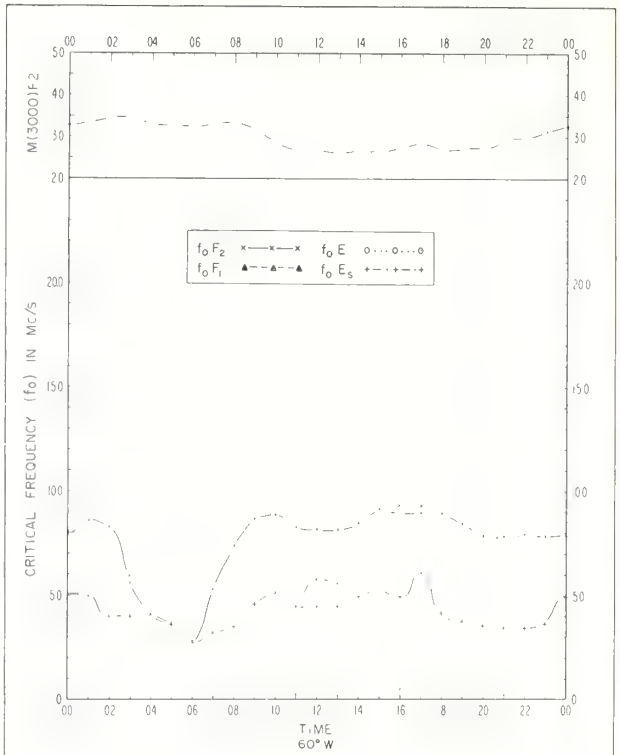

Fig. 82. LA PAZ, BOLIVIA
16.5° S, 68.1° W
APRIL 1963

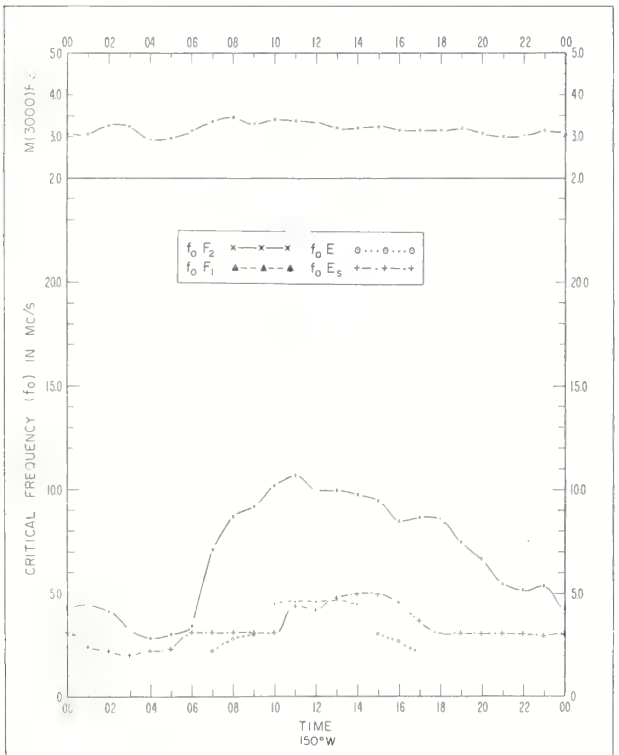

Fig. 83. TAHITI, SOCIETY IS.
17.7°S, 149.3°W
APRIL 1963

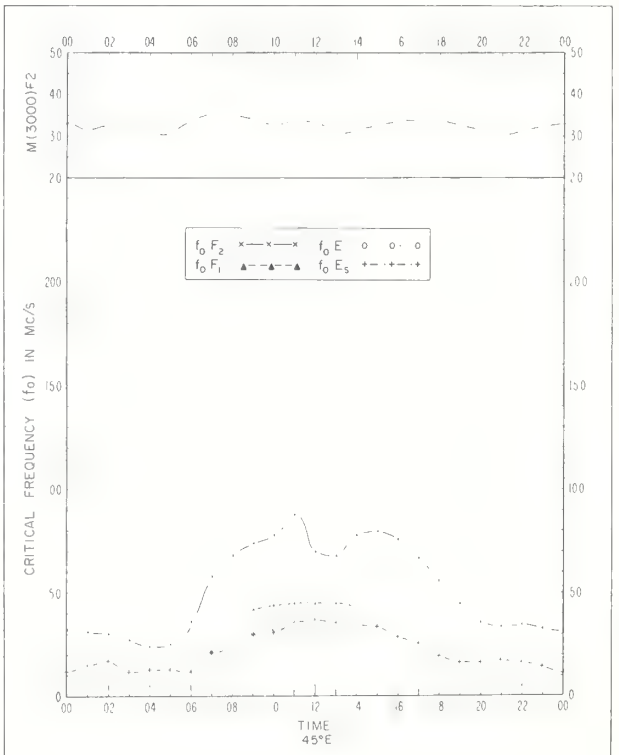

Fig. 84. TANANARIVE, MALAGASY REPUBLIC
18.8°S, 47.5°E
APRIL 1963

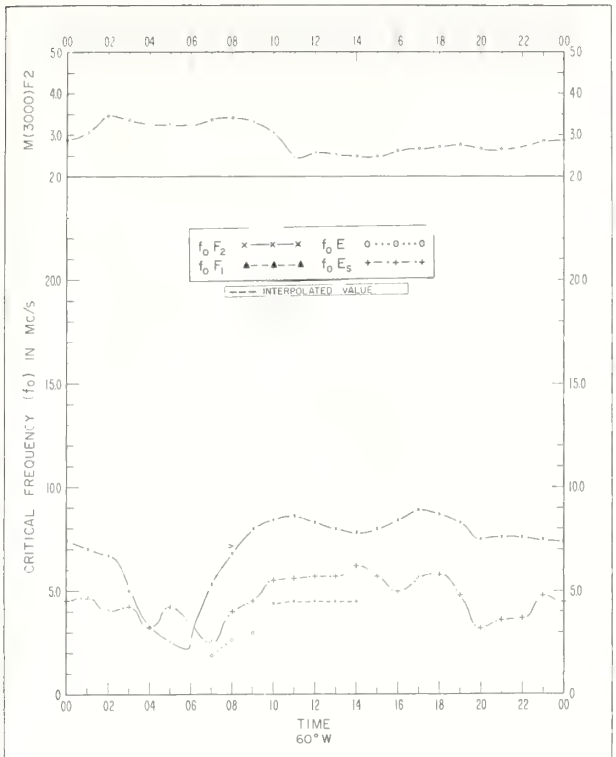

Fig. 85. LA PAZ, BOLIVIA
16.5° S, 68.1° W
MARCH 1963

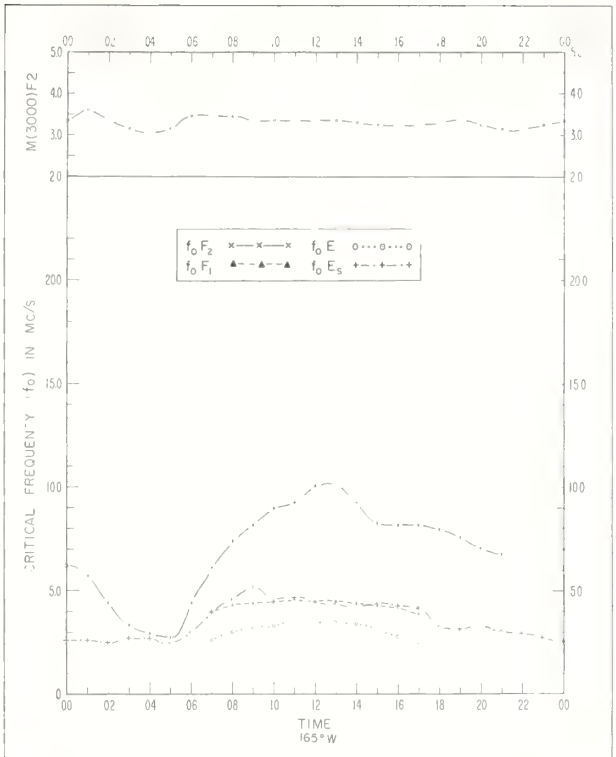

Fig. 86. RAROTONGA, COOK IS
21.2° S, 159.8° W
FEBRUARY 1963

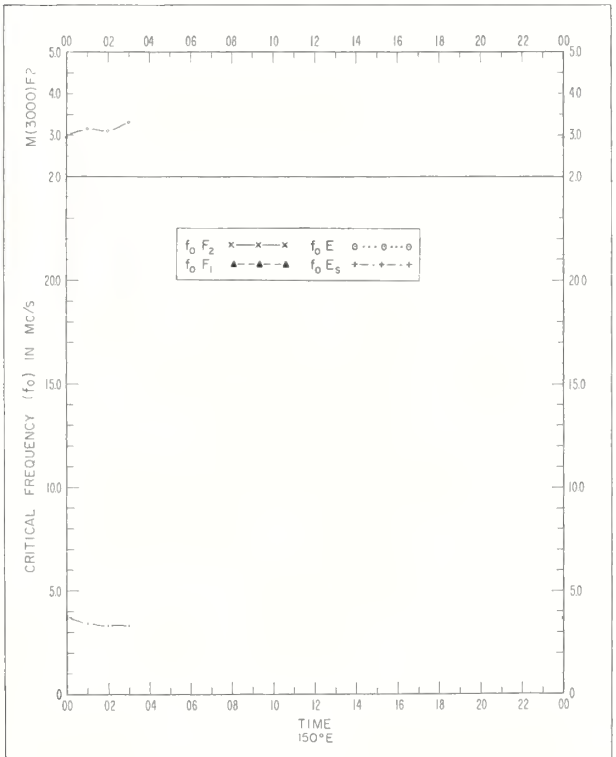

Fig. 87. HOBART, TASMANIA
42.9°S, 147.2°E
FEBRUARY 1963

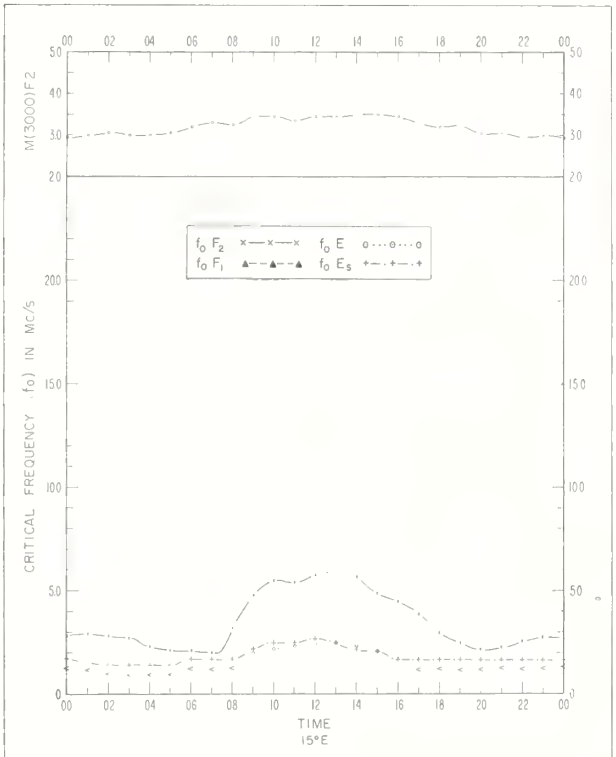

Fig. 88. JULIUSRUH / RUGEN, GERMANY
54.6° N, 13.4° E
JANUARY 1963

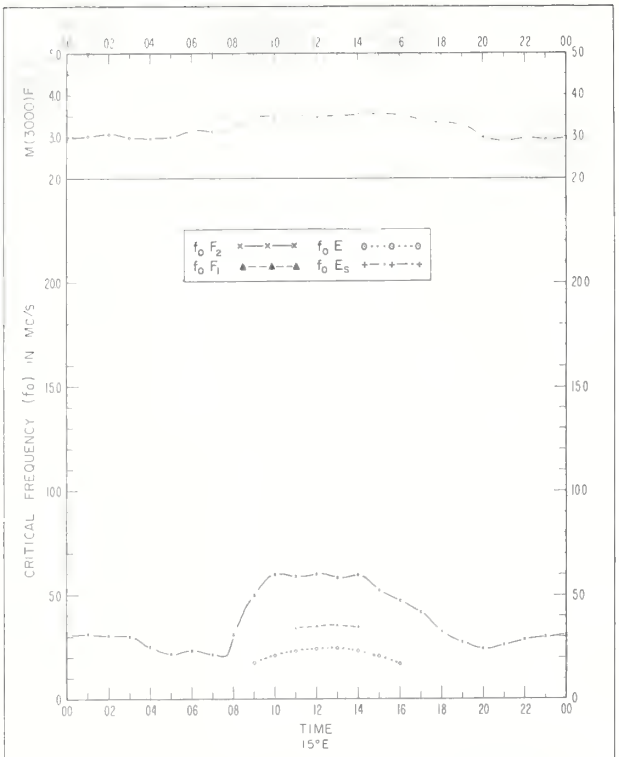

Fig. 89 LINDAU / HARZ, GERMANY
51.6° N, 10.1° E
JANUARY 1963

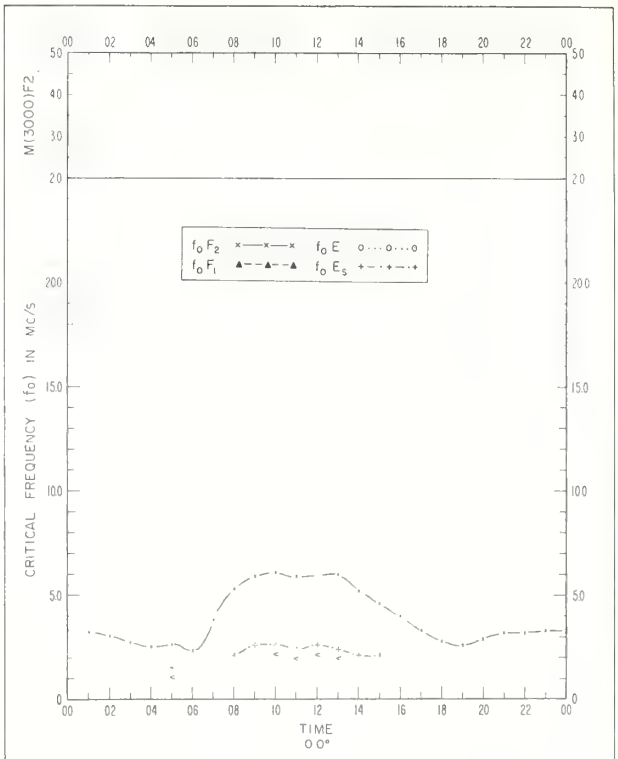

Fig. 90. PRUHONICE, CZECHOSLOVAKIA
50.0° N, 14.6° E
JANUARY 1963

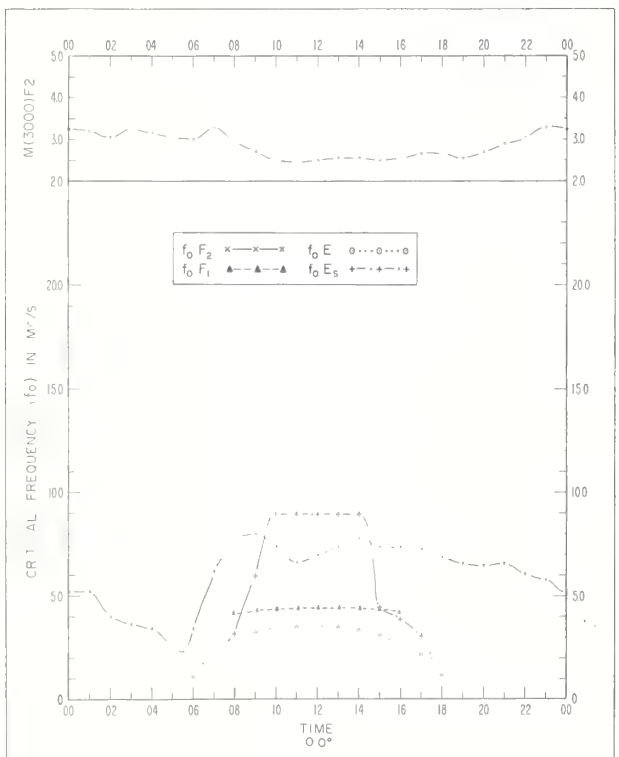

Fig 91. IBADAN, NIGERIA
7.4° N, 3.9° E
JANUARY 1963

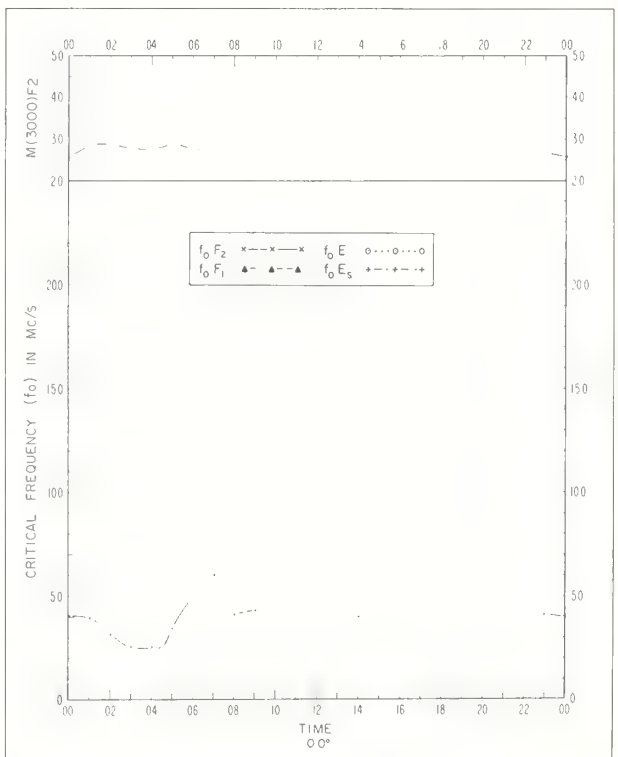

Fig. 92. LEOPOLDVILLE, CONGO
4.4° S, 15.2° E
JANUARY 1963

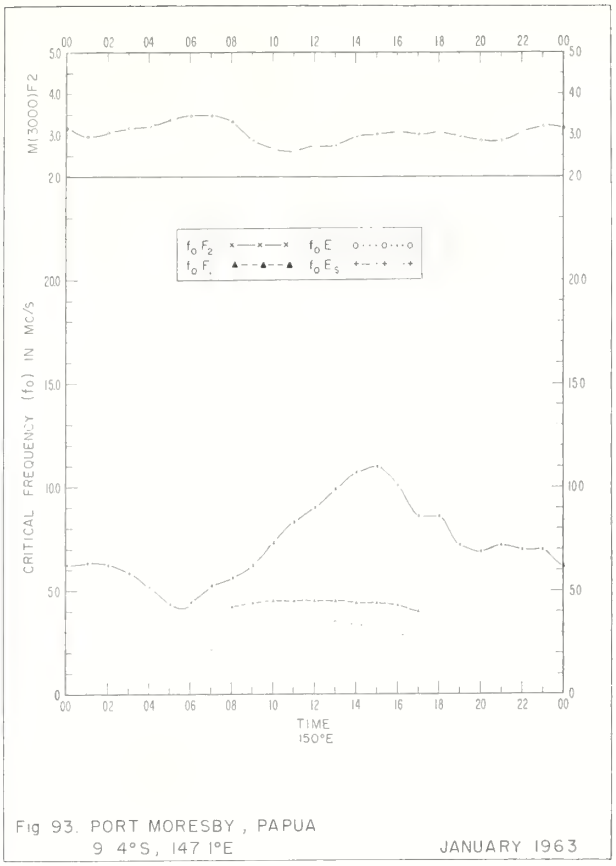

Fig. 93. PORT MORESBY, PAPUA
9 4°S, 147 1°E
JANUARY 1963

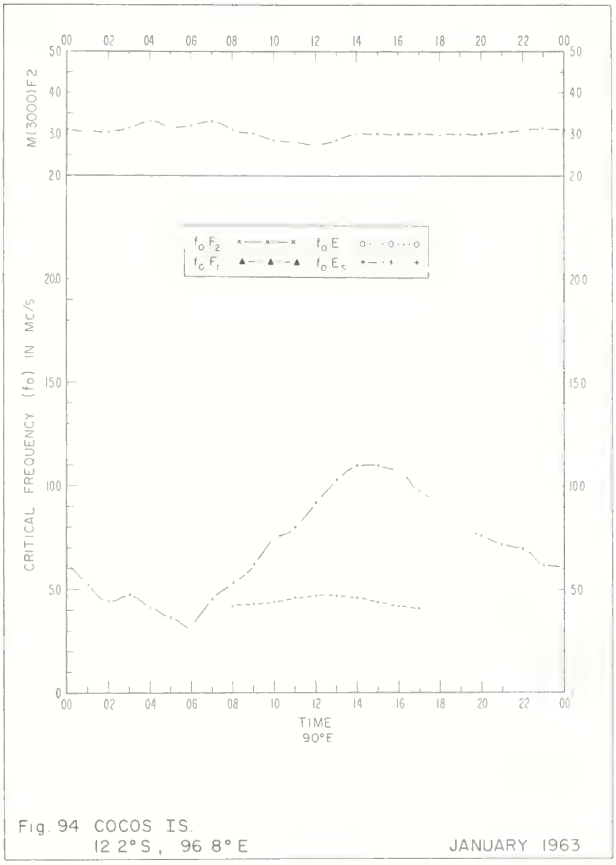

Fig. 94 COCOS IS.
12 2°S, 96 8°E
JANUARY 1963

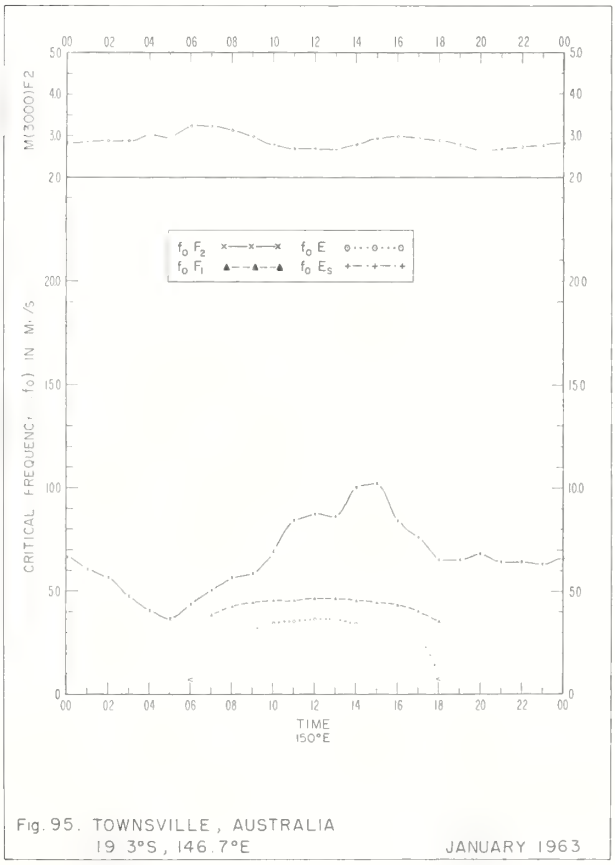

Fig. 95. TOWNSVILLE, AUSTRALIA
19 3°S, 146 7°E
JANUARY 1963

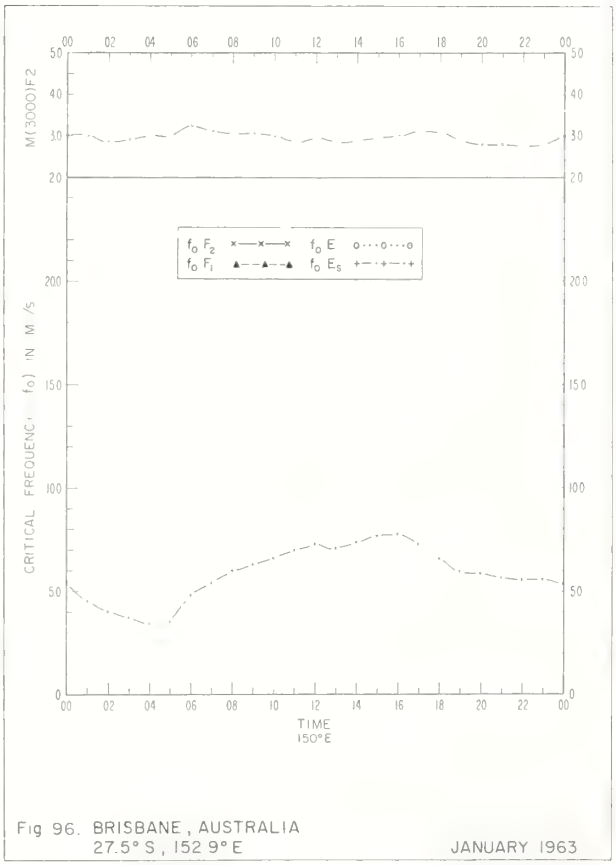

Fig. 96. BRISBANE, AUSTRALIA
27.5°S, 152 9°E
JANUARY 1963

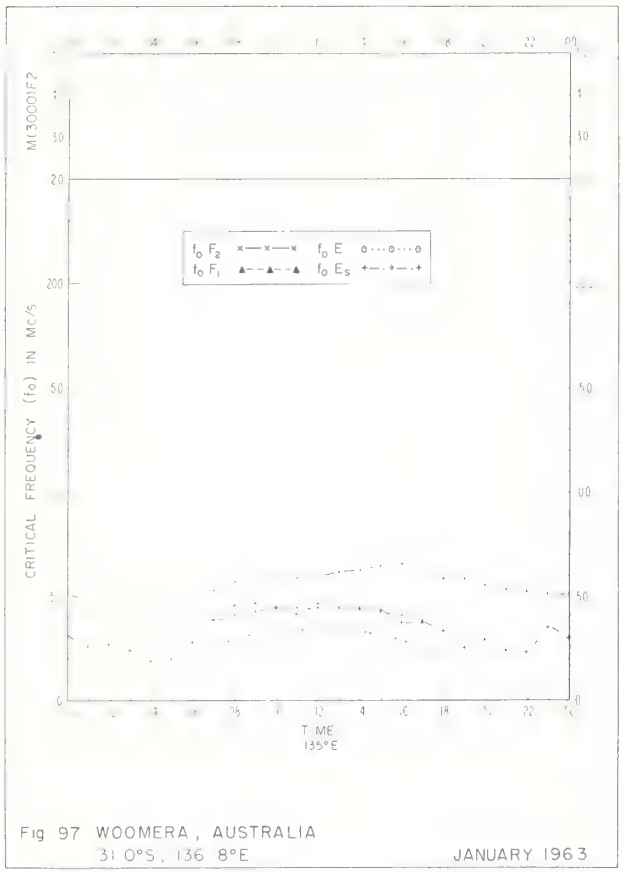

Fig 97 WOOMERA, AUSTRALIA
31 0°S, 136 8°E JANUARY 1963

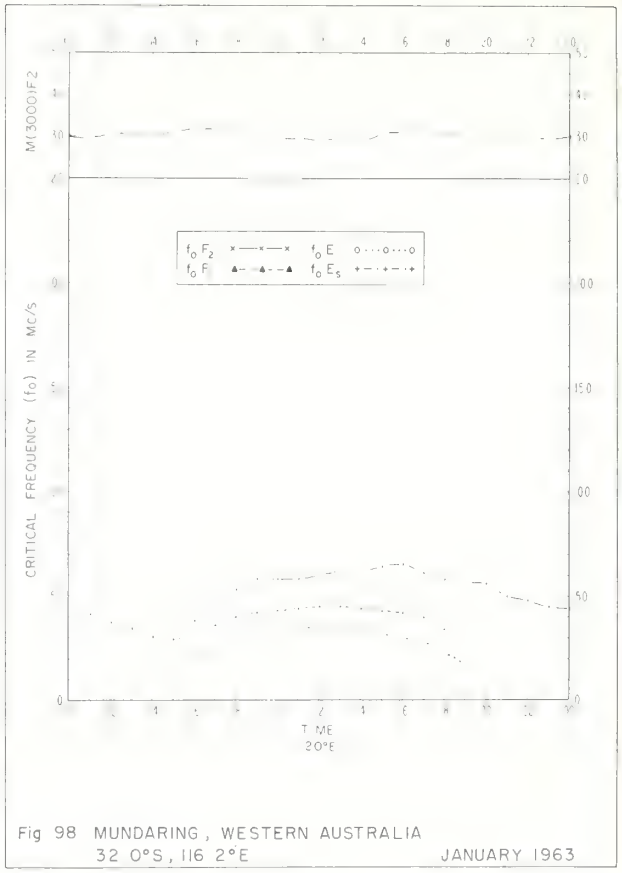

Fig 98 MUNDARING, WESTERN AUSTRALIA
32 0°S, 116 2°E JANUARY 1963

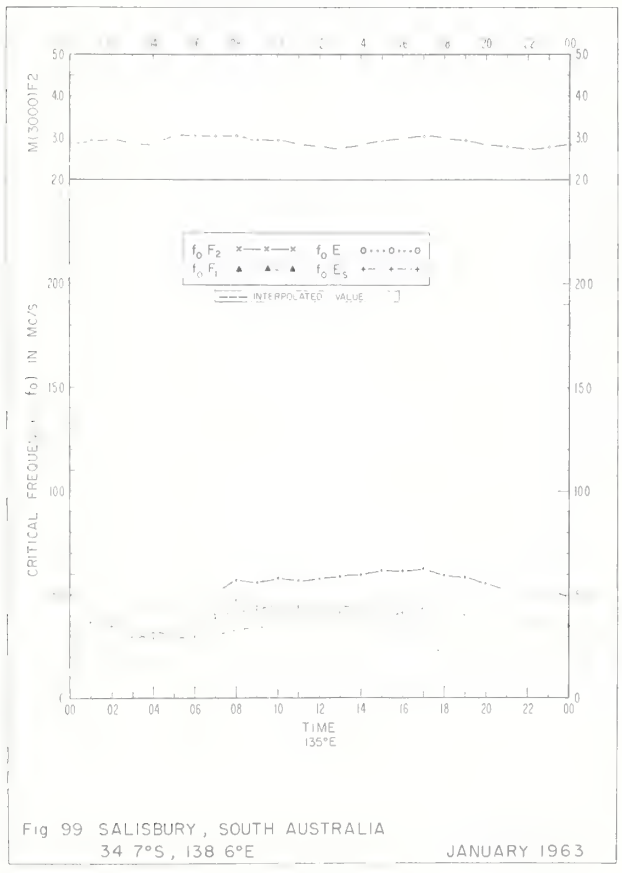

Fig 99 SALISBURY, SOUTH AUSTRALIA
34 7°S, 138 6°E JANUARY 1963

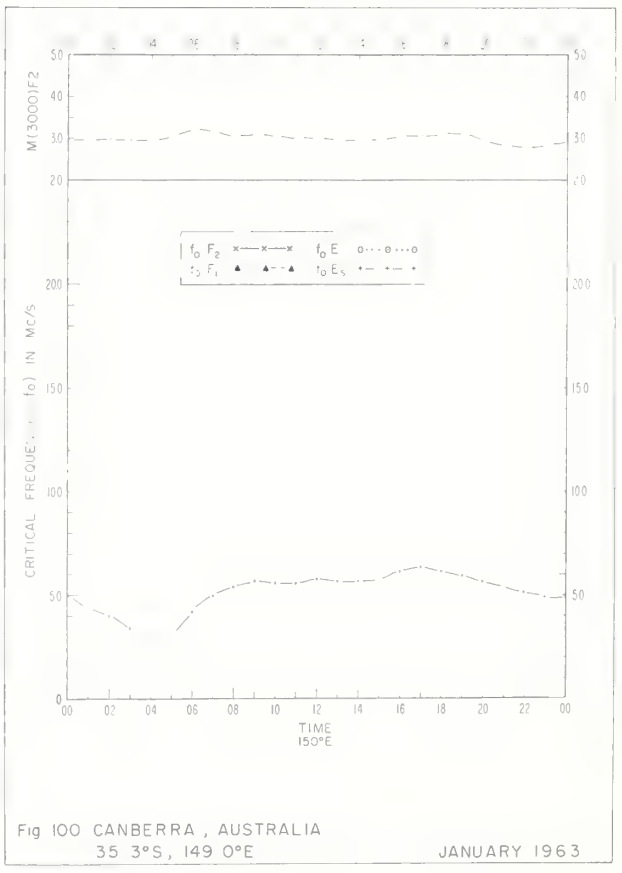

Fig 100 CANBERRA, AUSTRALIA
35 3°S, 149 0°E JANUARY 1963

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